



TOWN OF ANDOVER.

---

ANNUAL REPORT

OF

RECEIPTS AND EXPENDITURES

FOR THE FINANCIAL YEAR ENDING



JANUARY 11, 1892.

TOGETHER WITH THE

REPORT OF WATER COMMISSIONERS.

—\*—

ANDOVER, MASS.,  
THE ANDOVER PRESS, PRINTERS.  
1892.





THE  
ANNUAL REPORT  
OF THE  
RECEIPTS AND EXPENDITURES  
OF THE  
TOWN OF ANDOVER.

For the Financial Year ending January 11th, 1892.

ANDOVER:  
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# REPORT.

## Selectmen's Account.

### SCHOOLS.

Appropriation by Town, March 2d,	\$16000 00
State School Fund,	56 34
	<hr/> \$16056 34

### PAID ON ACCOUNT OF SCHOOLS.

#### Grammar School.

Anna A. Robinson, teaching,	\$289 52
Clara A. Putnam, teaching,	414 24
Susie M. Wilbur, teaching,	377 35
Anna E. Chase, teaching,	354 35
Frances W. Meldrum, teaching,	147 25
James A. Brown, janitor,	60 00
Abbott Erving, janitor,	169 75
John Cernell, wood,	32 50
George W. Chandler, coal,	213 50
	<hr/> \$2058 56

#### South Centre District.

Edith McLawlin, teaching,	\$386 55
Abbie A. Richardson, teaching,	354 35
Bertha L. Smith, teaching,	354 35
Jennie S. Abbott, teaching,	354 35

*Amount carried forward,* \$1449 60 \$2058 56

Appropriation, \$16056 34

<i>Amount brought forward,</i>	\$1449 60	\$2058 56
Mary J. Jones, teaching,	207 00	
Agnes C. Morrison, teaching,	9 00	
Jennie Birnie, teaching,	108 00	
Lucy A. Roach, teaching,	147 35	
Minerva Dudley, teaching,	147 35	
James A. Brown, janitor,	60 00	
Abbott Erving, janitor,	167 75	
George W. Chandler, coal,	197 00	
John Cornell, wood,	4 00	
	<hr/>	\$2497 05

#### Ballard Vale District.

Florence Ayer, teaching,	\$230 00	
Elizabeth R. Carty, teaching,	45 00	
Carrie A. Deane, teaching,	309 35	
Mary F. Brown, teaching,	354 35	
Annie O. S. Clemons, teaching,	354 35	
Daphne S. Knapp, teaching,	156 55	
Orrell Ashton, janitor,	185 00	
Greene and Woodlin, wood,	17 50	
H. M. Hayward and Son, coal,	69 15	
George W. Chandler, coal,	156 00	
	<hr/>	\$1877 25

#### Abbott Village District.

Frances W. Meldrum, teaching,	230 00	
Margaret C. Donovan, teaching,	363 55	
Martha Manning, teaching,	354 35	
Jennie Birnie, teaching,	147 35	
James Scott, janitor,	97 25	
George W. Chandler, wood and coal,	84 30	
John Cornell, wood,	35 50	
	<hr/>	\$1312 30
<i>Amount carried forward,</i>		\$7745 16

Appropriation,	\$16056 34
<i>Amount brought forward,</i>	\$7745 16

**Scotland District.**

Lillian Cole, teaching,	\$207 00	
Dollie Farnham, teaching,	128 94	
E. Hayward, janitor,	8 00	
Mary McIntire, janitor,	8 00	
Lillian Cole, janitor,	8 00	
John B. Abbott, wood,	46 96	
	<hr/>	\$406 90

**Holt District.**

Carrie P. Hayward teaching,	\$354 35	
Arthur S. Flint, janitor,	15 30	
Albert Flint, janitor,	8 00	
Alvin Jenkins, wood,	11 50	
	<hr/>	\$389 15

**Frye Village District.**

Emma L. Ward, teaching,	\$230 00	
Mabel F. Smith, teaching,	228 06	
Helen W. Battles, teaching,	354 35	
Agnes C. Morrison, teaching,	156 55	
Helen Barnett, teaching,	111 84	
Joseph Milton, janitor,	80 50	
John Cornell, wood,	30 50	
George W. Chandler, coal,	82 20	
	<hr/>	\$1274 00

**West Centre District.**

Hannah R. Bailey, teaching,	\$386 55	
May B. Hardy, teaching,	308 35	
Ralph Trow, janitor,	26 27	
John Cornell, wood,	14 50	
George W. Chandler, coal,	17 20	
	<hr/>	\$752 87
<i>Amount carried forward,</i>		\$10568 08



Appropriation,	\$16056 34
<i>Amount brought forward,</i>	\$10568 08

**Osgood District.**

Mary E. Manning, teaching,	\$207 00	
Alice B. Bodwell, teaching,	128 94	
Gertrude Wardman, janitor,	19 50	
Henry K. Flint, wood,	26 00	
	<hr/>	\$381 44

**Bailey District.**

Grace Langlands, teaching,	\$9 00	
Florence J. Abbott, teaching,	193 00	
Eva A. Hardy, teaching,	123 94	
Arthur J. Hardy, janitor,	12 00	
Newton and Flint, janitors,	9 50	
Hardy Brothers, wood,	20 50	
	<hr/>	\$377 94

**Abbott District.**

Olive J. Lovejoy, teaching,	\$207 00	
Lilla A. Abbott, teaching,	128 94	
Wesley B. Hardy, janitor,	18 90	
Warren Saunders, wood,	24 75	
	<hr/>	\$379 59

**North District.**

Jennie Birnie, teaching,	\$99 00	
Edna H. Noyes, teaching,	99 00	
L. A. Richardson, teaching,	128 94	
F. J. Noyes, janitor and pre- paring wood,	15 50	
Margaret Rogers, janitor,	15 00	
Warren Saunders, wood,	21 25	
	<hr/>	\$378 69
<i>Amount carried forward,</i>		\$12085 74



Appropriation,		\$16056 34
<i>Amount brought forward,</i>	\$12085 74	
H. A. Halstead, Superintendent of Schools,	\$1205 28	
Edward Butterworth, teaching music,	354 32	
Anna A. Robinson, teaching drawing and writing,	202 70	
Barnett Rogers, truant officer,	10 00	
Michael Welch, truant officer,	10 00	
Joseph Scott, truant officer,	10 00	
	<hr/>	\$1792 30
Total expenditure,		<hr/> \$13878 04
Balance unexpended,		\$2178 30

## SCHOOL-HOUSES.

Appropriation, March 2d,	\$1200 00
Appropriation, September 21st,	1450 00
	<hr/> \$2650 00

## PAID ON ACCOUNT OF SCHOOL-HOUSES.

## Grammar School-house.

Henry P. Noyes, supplies,	\$3 50	
Erwin C. Pike, supplies,	41 78	
Smith and Manning, supplies,	2 18	
J. S. Graham, repairs,	17 52	
Hardy and Cole, repairs,	841 37	
L. Bacon Foss, vaporizers,	33 50	
Brainard Cummings, repairs,	33 70	
Henry McLawlin, supplies,	7 22	
Boston and Maine R.R., freight,	3 40	
H. F. Chase, repairs,	6 75	
Eastern Educational Bureau,		
settees,	53 28	
Boston Woven Hose Company,		
supplies,	4 00	
Edward Butterworth, tuning		
piano,	1 50	
George Saunders, repairs,	101 18	
Water Commissioners, service-		
pipe,	75 95	
Abbott Erving, cleaning,	25 00	
C. B. Mason, repairs,	8 14	
Joseph H. Blunt, labor,	6 00	
George Goodhue, plumbing,	6 71	
T. A. Holt and Co., supplies,	60	
	<hr/>	\$1273 28
<i>Amount carried forward,</i>		\$1273 28

Appropriation, \$2650 00

*Amount brought forward,* \$1273 28

**Intermediate School-house.**

Brainard Cummings, repairs,	\$6 32	
John Connolly, labor,	5 00	
T. A. Holt and Co., supplies,	1 83	
J. E. Whiting, supplies,	1 80	
Smith and Manning, supplies,	2 75	
Henry McLawlin, supplies,	4 69	
Hardy and Cole, repairs,	725 00	
Abbot Erving, labor,	30 14	
Water Commissioners, service-		
pipe,	60 60	
C. A. Boone painting,	2 50	
Erwin C. Pike, supplies,	2 60	
	<hr/>	\$843 23

**Ballard Vale School-house.**

Henry P. Noyes, supplies,	60	
J. J. Joslin, repairs,	15 05	
H. M. Hayward and son, labor,	3 00	
F. G. Haynes and Co., supplies,	17 66	
Orrell Ashton, labor,	21 00	
Silas Buck, labor,	2 00	
Hardy and Cole, repairs,	7 21	
Erwin C. Pike, supplies,	2 25	
C. H. Shattuck, jr., supplies,	3 40	
Joseph Scott, labor,	4 75	
H. F. Chase, repairs,	50	
	<hr/>	\$77 42

**Abbott Village School-house.**

Erwin C. Pike, supplies,	\$23 00	
James Scott, repairs,	2 50	
J. E. Whiting, supplies,	1 85	
<i>Amount carried forward,</i>	\$27 35	\$2193 93

Appropriation, \$2650 00

<i>Amount brought forward,</i>	\$27 35	\$2193 93
Smith and Manning, supplies,	4 14	
Henry McLawlin, supplies,	1 75	
Hardy and Cole, repairs,	2 66	
Henry P. Noyes, supplies,	3 50	
Water Commissioners, service-		
pipe,	22 55	
George Goodhue, plumbing,	11 35	
	<hr/>	\$73 33

#### Holt School-house.

J. E. Whiting, supplies,	35	
Faye and Davis, cleaning well.	5 00	
	<hr/>	\$5 35

#### Scotland School-house.

J. E. Whiting, supplies,	75	
George Saunders, supplies,	\$1 35	
Mrs. F. C. McIntire, cleaning,	4 00	
Erwin C. Pike, supplies,	35	
	<hr/>	\$ 6 40

#### Frye Village School-house.

Erwin C. Pike, supplies,	\$2 08	
Joshua H. Chandler, labor,	6 00	
Henry McLawlin, supplies.	40	
Joseph Milton, labor,	13 75	
Hardy and Cole, repairs,	7 01	
Water Commissioners, service-		
pipe,	40 95	
Gerge Goodhue, plumbing,	7 00	
John B. Shaw, painting,	85 95	
Brainard Cummings, repairs,	5 25	
T. A. Holt and Co., supplies,	50	
	<hr/>	\$158 89
<i>Amount carried forward,</i>		\$2437 90

Appropriation,	\$2650 00
<i>Amount brought forward,</i>	\$2437 90

**West Centre School-house.**

Joshua H. Chandler, repairs,	\$5 25
Erwin C. Pike, supplies,	10 70
J. E. Whiting, supplies,	1 60
Hardy and Cole, repairs,	12 30
Henry McLawlin, supplies,	90
Edwin H. Barnard, repairs,	8 52
M. N. Russell, rent,	50 00
Henry P. Noyes, supplies,	1 00
Mrs. Mary Murphy, cleaning,	4 00
Brainard Cummings, repairs,	2 02
Daniel L. Trow, repairs,	3 65
J. Warren Mooar, repairs,	1 50
H. F. Chase, repairs,	50
	<hr/> \$101 94

**Osgood School-house.**

Erwin C. Pike, supplies,	\$3 24
Brainard Cummings, repairs,	74 77
M. E. Manning, supplies,	25
J. E. Whiting, supplies,	35
	<hr/> \$78 61

**Bailey School-house.**

Henry P. Noyes, supplies,	\$1 00
Edward S. Hardy, labor,	5 00
J. E. Whiting, supplies,	35
Smith and Manning, supplies,	70
Mary Hardy, cleaning,	5 00
Henry McLawlin, supplies,	75
	<hr/> \$12 80
<i>Amount carried forward,</i>	\$2631 25

Appropriation,		\$2650 00
<i>Amount brought forward,</i>	\$2631 25	

**North School-house.**

J. E. Whiting, supplies,	\$1 60	
Henry P. Noyes, supplies,	35	
H. A. Halstead, repairs,	50	
Henry McLawlin, supplies,	85	
	<hr/>	\$3 30

**Abbott School-house.**

J. E. Whiting, supplies,	35	
Mrs. H. Fitzgerald, cleaning,	3 60	
	<hr/>	\$3 95
Total Expenditure,		<hr/> \$2638 50
Balance unexpended,		<hr/> \$ 11 50

## SCHOOL-BOOKS AND SCHOOL SUPPLIES.

Appropriation, March 2d,		\$1000 00
Silver, Burdett, and Co.,	\$41 01	
J. L. Hammett,	31 03	
Boston School Supply Company,	121 59	
Ginn and Company,	81 95	
Prang Educational Company,	45 04	
American Express Company,	1 00	
Eastern Educational Bureau,	120 07	
George F. King and Merrill,	155 22	
American Book Company,	35 87	
M. Churchill,	2 25	
D. C. Heath and Co.,	20 77	
H. A. Halstead, postage,	4 00	
Brown's Express,	16 20	
O. W. Neal,	3 90	
A. J. Johnson and Co.,	106 40	
John N. Cole,	6 73	
George A. Putnam,	3 00	
William Ware and Co.,	44 40	
Thompson, Brown, and Co.,	35 00	
Abbott Erving,	1 25	
H. S. Leach,	50 00	
Lee and Shepard,	32 34	
Effingham Maynard and Co.,	20 16	
J. G. Roberts and Co.,	7 00	
Leach, Shewell, and Sanborn,	13 00	
Total expenditure,	<hr/>	\$999 18
Balance unexpended,		<hr/> \$ 82



## GRADING AND CEMENTING.

Appropriation, March 2d,		\$1000 00
Ballard Vale Schoolhouse :		
C. H. Shattuck, jr., removing stumps,	\$75 00	
Silas Buck, labor and team, grading,	146 75	
E. Harnden, building bank wall,	262 20	
Joseph J. Joslin, labor on steps,	5 50	
William R. Ross, cementing cellar,	185 00	
Hardy and Cole, stock and labor,	16 44	
Central Grammar Schoolhouse :		
George W. Chandler, grading, teams		
and labor,	225 00	
Hartwell B. Abbott, gravel,	75 00	
Total expenditure,	————	\$990 89
Balance unexpended,		\$9 11

## WEST CENTRE SCHOOL-HOUSE.

Appropriation March 2d,	\$800 00
Hardy and Cole, stock and labor,	789 58
Balance unexpended,	<u>\$10 42</u>

## HIGHWAYS AND BRIDGES.

Appropriation, March 2d,	\$6000 00
Appropriation, September 21,	2000 00
	<hr/>
	\$8000 00
J. T. Lovejoy, superintendent of streets,	\$943 72
Smith and Dove Manufacturing Company,	8 61
Thomas Leslie,	280 27
Timothy Madden,	292 86
William White,	298 54
James Scott,	14 62
James Boyle,	2 25
F. McCluskey,	227 88
Timothy C. Sullivan, labor,	235 82
William Leary,	228 31
Austin Upton,	19 50
Ernest Young,	1 50
Austin Carter, jr.	9 00
William Haggerty,	6 00
Walter V. Clark,	30 00
John Mockler,	9 00
B. F. Holt,	153 75
Daniel Sweeney,	12 00
Henry E. Gould,	205 00
Fred. Gould,	39 37
William Hackett,	22 50
James O. Carter,	347 84
Silas Buck,	192 77
A. M. Bancroft,	15 00
Ames Plough Company, supplies,	27 13
Anderson and Bowman, ironwork,	23 05
Henry McLawlin, hardware,	124 67
H. McKenzie,	34 23
<i>Amount carried forward,</i>	<hr/> \$3805 19

Appropriation,	\$8000 00
<i>Amount brought forward,</i>	\$3805 19
George W. Blood,	375 00
M. Hefferan,	237 25
Patrick Leary,	67 27
Patrick Harnett,	226 51
Thomas O'Brien,	25 00
George W. Chandler,	19 92
Alfred Foster,	7 51
Patrick Brennan,	75
James J. Abbott,	44 75
Frank Smith,	86 58
John Dugan,	37 57
A. Durrah,	26 77
H. O'Donnald,	10 98
S. A. Lovejoy,	313 28
John C. Hovey,	101 68
James Smith,	29 14
Lewis Buxton,	20 73
Peter Moran,	28 13
Justin Carter, jr.,	33 37
Edward F. Hackett,	6 00
William Allicon,	3 00
S. M. Jones,	86 62
John Nuckley,	40 50
Thomas Francis,	25 12
Joseph Nuckley,	24 37
C. Wing,	26 25
S. E. Abbott,	18 00
John B. Abbott, gravel,	61 60
Sarah Jenkins, gravel,	30 32
Hardy and Cole,	48 68
Henry Shaw,	24 00
M. J. Stack,	140 75
Boston and Maine R.R.,	1 18
James H. Smith, wagon,	12 00
<i>Amount carried forward,</i>	\$6045 77

Appropriation,	\$8000 00
<i>Amount brought forward,</i>	\$6045 77
T. Howard,	20 50
E. G. Hayward,	1 80
Edwin H. Barnard,	3 50
Erwin C. Pike,	12 22
Henry Hayward,	14 23
Arthur Lovejoy,	71 55
Patrick Murphy,	34 75
Stephen Blaney, gravel,	13 68
Charles Jameson,	6 08
S. H. Bailey,	1 00
William Harnady,	50 59
Nathan R. Bailey,	2 00
J. T. Lovejoy, wood,	16 00
Thomas P. Harriman, iron-work,	15 15
A. J. Wellington, supplies,	4 76
George A. Barss,	23 00
Herbert F. Chase, repairs,	1 00
Charles A. Boone,	2 75
James A. Treat, supplies,	4 76
R. Miller,	16 50
J. Callahan,	85 75
R. Brickley,	9 90
J. Hutchinson,	8 25
William R. Ross,	10 81
William H. Tucker,	24 00
Joseph Pierson,	13 00
George F. Mason,	9 00
J. Madden,	133 34
J. H. Leonard, iron-work,	4 50
John McCarty,	97 95
George F. Holt, supplies,	2 40
Timothy Murphy,	17 25
John B. Shaw,	1 50
John Galvin,	83
<i>Amount carried forward,</i>	\$6824 56

Appropriation,	\$8000 00
<i>Amount brought forward,</i>	\$6824 56
G. Higginbottom,	15 00
Patrick Dailey,	30
Frank White,	28 50
Warren Saunders,	24 00
Harry P. Abbott,	118 38
E. Druno,	1 50
Edward Jameson,	52 50
A. Bailey,	1 50
A. Ludgardier,	22 50
J. Bell,	22 50
Frank Sheren,	3 00
Lawrence Hardware Co.,	2 25
John O'Connell,	21 70
James A. Harvey,	27 90
Reuben Webb,	63 00
H. Chapman,	35 25
Joshua Flint,	38 17
Dennis Driscoll,	21 17
John Driscoll,	32 33
Joseph Bourdelais,	175 00
Thomas Callahan,	56 83
Barney Reiley,	58 33
Fred Lovejoy,	28 50
L. A. Belknap, gravel,	6 70
George Goldsmith, gravel,	23 84
James Toye, gravel,	40 80
Almon Abbott,	42 41
John Howell,	1 50
John Leary,	31 50
J. Warren Mooar, gravel,	32 00
John McCollum, gravel,	9 04
Mrs. Lawson, gravel,	4 80
Trustees Phillips Academy, gravel,	20 56
Mrs. Porter Farmer, gravel,	5 80
<i>Amount carried forward,</i>	\$7893 62

Appropriation,		\$8000 00
<i>Amount brought forward,</i>	\$7893 62	
J. Noyes, wood,	5 00	
George D. Ward,	70 00	
Hiram Carter,	18 00	
Fred. McIntyre,	6 00	
George Worcester,	1 50	
F. G. Haynes and Co., supplies,	4 76	
C. H. Shattuck, stone,	1 00	
Total expenditure,	—————	\$7999 88
Balance unexpended,		12

## SIDEWALKS.

Appropriation, March 2,		\$500 00
E. G. Hayward,	1 50	
Frank Smith,	23 40	
John Dugan,	20 55	
Patrick Harnett,	46 59	
Thomas Leslie,	22 34	
Frank McCluskey,	18 17	
William Leary,	22 34	
William White,	10 34	
Thomas Madden,	19 34	
John Madden,	19 34	
M. Hefferan,	1 67	
James Callahan,	4 67	
James Pigeon,	6 00	
James Carter,	12 42	
M. J. Stack,	66 75	
Joseph Bourdelais	22 50	
Barney Reilly,	7 50	
Thomas Callahan,	7 50	
Daniel Driscoll,	8 17	
S. Blaney, gravel,	11 52	
<i>Amount carried forward,</i>	\$352 61	

Appropriation,		\$500 00
<i>Amount brought forward,</i>	\$352 61	
Dennis Driscoll,	32 00	
Edward Jameson,	10 50	
Dennis McKenna,	30 00	
Frank White,	3 00	
T. C. Sullivan,	7 67	
H. Carter,	3 00	
George Ward,	9 00	
S. A. Lovejoy,	9 00	
J. W. Mooar, gravel,	8 72	
John Leary,	3 67	
Hiram Carter,	4 67	
George Carter,	3 11	
James Greive,	2 00	
J. T. Lovejoy,	9 33	
Total expenditure,	<hr/>	\$488 28
Balance unexpended,		<hr/> \$11 72

## REMOVING SNOW.

Appropriation, March 2d,		\$500 00
John L. Noyes,	\$2 85	
Fred McIntyre,	9 75	
Patrick Murphy,	3 60	
Samuel H. Boutwell,	8 25	
E. W. Boutwell,	2 70	
Hardy Bros.,	13 25	
James O. Carter,	21 45	
Joshua H. Chandler,	17 85	
Timothy C. Sullivan,	13 50	
Charles A. Jameson,	15 69	
Silas Buck,	40 90	
Austin Poland,	4 12	
C. L. Bailey,	1 50	
<i>Amount carried forward,</i>	<hr/> \$155 41	



Appropriation,		\$500 00
<i>Amount brought forward,</i>	\$155 41	
David Goodwin,	1 00	
S. A. Lovejoy,	12 90	
James S. Flint,	1 80	
John B. Jenkins,	13 50	
Samuel Thayer,	12 00	
R. C. Reed,	3 00	
William H. Tucker,	38 25	
J. W. Mooar,	1 80	
Augustus Remmes,	10 50	
Thomas C. Gray,	3 00	
Charles C. Blunt,	17 86	
Joseph C. Dole,	1 50	
A. M. Bancroft,	4 00	
George W. Chandler,	12 00	
Samuel Cheever,	1 43	
Thomas Leslie,	13 50	
Timothy Madden,	3 75	
James J. Abbott,	12 90	
Edward W. Burtt,	37 35	
William Spark,	17 15	
E. G. Hardy,	12 85	
J. Stevens,	2 55	
George Goldsmith,	41 70	
N. R. Bailey,	11 50	
Albert A. Hardy,	1 80	
F. Cunningham,	2 25	
L. Bird,	1 50	
William Allen,	18 00	
James Callahan,	90	
John C. Hovey,	3 00	
James Carter,	3 00	
William H. Carter,	11 98	
Henry E. Gould,	40 05	
Daniel Murphy,	68	
<i>Amount carried forward,</i>	\$526 36	

Appropriation,		\$500 00
<i>Amount brought forward,</i>	\$526 36	
William Goff,	1 50	
F. M. Foster,	1 50	
Fred. Lovejoy,	1 50	
E. G. Hayward,	75	
Joseph Bourdelais,	13 50	
John B. Shaw,	75	
Henry Bourdelais,	1 50	
George Devon,	1 50	
Lewis Devon,	1 50	
Jabez Wardman,	1 35	
Sylvanus Lovejoy,	75	
Alwyn Lovejoy,	75	
Joseph Gorst,	75	
S. H. Bailey,	6 15	
Peter Shevlin,	4 50	
Total expenditure,	————	\$564 61
Overdrawn,		<u>\$64 61</u>

#### STONE BREAKER.

Appropriation, March 2d,	\$2500 00
Gates Iron Works,	2500 00

## HORSES AND DRIVERS.

Appropriation, March 2d,		\$2000 00
Frank M. Smith, care of horses,	\$561 00	
Henry McLawlin, hardware,	43 49	
Charles F. Mayer and Son, harness, stock, and labor,	46 70	
F. M. Smith, pole and whiffletrees,	5 00	
J. H. Campion and Co., grain,	255 67	
John Cornell, hay, straw, and horse,	118 10	
James Martin, care of horses,	77 50	
Samuel H. Boutwell, hay,	97 90	
George H. Parker, medicine,	4 40	
Thomas P. Harriman, iron-work,	61 40	
Hardy and Cole, stock and labor,	49 74	
Peter D. Smith, hay,	141 09	
Anderson and Bowman, iron-work,	42 05	
James Napier, care of horses,	297 02	
A. W. Baker, dentistry,	6 00	
J. F. Winchester, professional services,	18 00	
Andover Electric Light Company, light,	8 00	
C. H. Shattuck, harness, stock, and labor,	32 30	
Brainard Cummings, stock and labor,	4 18	
George Goodhue, plumbing,	5 70	
Smith and Manning, grain,	85 07	
Water Commissioners, service-pipe,	24 59	
James Forgee and Son, blankets,	15 10	
Total expenditure,	————	\$2000 00

## Earnings of Town Horses.

Earnings of Town Horses from January 12th, 1891 to January 12th, 1892 :

## Snow :

January, $9\frac{1}{2}$ days at \$6.06 per day,	\$57 00	
January, $4\frac{1}{2}$ days at \$3.00 per day,	13 50	
February, $2\frac{1}{2}$ days at \$3.00 per day,	7 50	
March, 8 days at \$6 00 per day,	48 00	
March, $4\frac{1}{2}$ days at \$1.50 per day,	6 75	
	<hr/>	\$132 75

## Highways :

March, $10\frac{1}{2}$ days at \$6.00 per day,	\$63 00	
March, 3 days at \$1.50 per day,	4 50	
April, 24 days at \$7.50 per day,	180 00	
May, 24 days at \$7.50 per day,	180 00	
June, 22 days at \$7.50 per day,	165 00	
July, 25 days at \$7.50 per day,	187 50	
August, 23 days at \$9.00 per day,	207 00	
September, 25 days at \$9.00 per day,	225 00	
October, $22\frac{1}{2}$ days at \$9.00 per day,	202 50	
November, 24 days at \$9.00 per day,	216 00	
December, 21 days at \$6.00 per day,	126 00	
To Jan. 12, '92, $5\frac{1}{2}$ days at \$6 per day,	33 00	
	<hr/>	\$1789 50

Fire Department, \$61 00

## Manure :

Delivered to Poor Farm, 20 loads,	\$40 00	
Delivered to Peter D. Smith, $1\frac{1}{2}$ cords,	7 50	
	<hr/>	\$47 50

## Drivers :

Frank Smith,	\$680 00	
James Napier,	393 25	
	<hr/>	\$1073 25

Total earnings, \$3104 00

## REPORT OF THE SUPERINTENDENT OF STREETS.

Thinking that the citizens of Andover would like to know where their Highway money has been expended, I submit the following :

March 16, 1891, we began work on the top of "Chandler's hill," taking off about two feet of sand, and carting it into the hollow beyond ; and then replaced it with Red Spring gravel, grading the hill from the old grist-mill nearly to our Red Spring pit. About the time this was finished our stone-crusher came. The first stones broken with that machine were put near the residence of B. F. Smith, and we graded from there to the foot of the hill, near Cooper's pond. The street being wide it necessitated a heavy grade at the centre, running from seven to eleven inches, thus using 630 yards of stone. The largest day's work being 67 yards, at a cost of fifty-eight (58) cents per yard. Owing to our screen not arriving on time the crushed stone was left uncovered some weeks, and at the request of the Chairman of Selectmen it was covered with loose gravel from the Belknap pit ; it has since been covered with Red Spring gravel, and needs only to be ridden over to be appreciated.

From there we went to Brook Street, beginning at the Essex Street end, and stoning a little more than half way, the remainder was gravelled to Central Street ; the sidewalk also on the west side of this street was gravelled.

We next went to Chestnut Street, stoned the street and graded the sidewalk. We then stoned Punchard Avenue from Chestnut to Summer Street. Turning up Summer Street we put several loads of broken stone in the hollow near B. F. Wardwell's house.

From there we went to the hill west of the Morse place ; that we ploughed down some three feet, taking off over three hundred loads, and putting them into the hollow ; after this

was done we put the road machine on, and graded from there nearly to the North Andover line.

From there we went back to the Red Spring, starting up the crusher again, and stoned Marland Street from opposite Peter D. Smith's house to within a few rods of the Marland Village bridge, grading the sidewalk the entire length of said street, and the east side of Cuba Street. For these streets over 2860 loads of material were run through the crusher.

We next moved the crusher to Ballard Vale, to land owned by Mrs. Morgan; here we found an excellent bank, free of charge. 630 loads were here taken out, and placed near the railroad depot and across the bridge by Haynes's store; also near the Methodist church and on Lowell Street, the remainder on the road leading from the Nathan Clark place towards Andover Centre. On River Street we built thirty-five rods of new sidewalk; one also has been built in front of the face-wall of the new school-house, and on the opposite side of the same street. We also gravelled forty-two rods on Tewksbury Street. A piece of sidewalk was built in front of the new parsonage. A catch-basin was built and eighty feet of pipe laid to carry the water to the river, Superintendent Shaw furnishing the pipe from the street to the river.

The crusher was then moved to James Toye's land, where 510 loads of stone were broken, and placed on River Road. From there we came to George Goldsmith's pit, where 298 loads were broken, and placed on the road leading from the E. Luscomb place to N. G. Abbott's house. The stone taken from both pits furnished material for one mile of road. Some thirty rods of road was gravelled near the John Hardy place on the River Road. 198 loads of gravel were placed on the road near the Haigh place.

From there we came to Mooar and McCollum's pit; here we took out and crushed over 500 loads of stone, which were put where needed on the road between B. Boynton's and the river bridge in Frye Village. We also repaired a place on Union Street near the Lawrence line. Twenty-three rods of

sidewalk has been gravelled, from the Battles place eastward. About twenty-five rods of new sidewalk has been built beginning at the Battles place and running westward; also fifty-seven rods of new sidewalk, beginning at J. W. Mooar's paint-shop, running westward. From Mooar's pit the crusher was moved back home to the Red Spring, and has since been boarded in.

The road has been graded and bushes cut from the old railroad to North Andover line. The bushes have been cut from the Lawrence line to the Collin's place on the old railroad. Boston Street has been graded from the hill to Abbott Street,—nearly one mile. 1162 loads of gravel have been put on the Turnpike, beginning below Justin Carter's house, and grading toward Andover.

The culvert in the hollow near the Job Abbott place has been raised two feet, and lengthened twelve feet at the north end, and the hollow graded to correspond. This is one of the twenty-eight culverts that were taken up and rebuilt, costing from \$3.00 to \$50.00 each.

Railing put up at a cost of \$279.72 in the following places: Frye Village, on Harding Street, at the Buxton place, and below the latter place near the town line, and at Haggetts Pond; most of the railing has been painted.

Fifty-eight loads of gravel were put on Lowell Road near Follansbee's, and sixty-seven loads on the road between R. Williamson's house and Buchan's corner.

In the Cape District, \$207.00 has been spent in grading.

High Street has been stoned from Elm Street to a point near Baldwin's house. This street is now stoned throughout. We have removed all the pipes but one from the gutters, taken away the bank at William Brown's house, built a retaining wall and a sidewalk, and widened the street at that end, Mr. Jewett kindly giving the land therefor; and if the gutters were paved down the hill at the foot of the street it would come very near suiting me.

Work was then begun on upper Bartlet Street, and when that job was about half done, Main Street was turned over to



me to repair the dangerous places caused by the construction of the Electric Railway, consequently Bartlet Street was left unfinished, and we began filling the gutters on Main Street, which have been filled from Morton Street to Edward Taylor's house; also, from Stimpson's bridge to Frye Village Square. The gutters have been cleaned out on Main, School, Central, Brook, Essex, Pearson, Park, and Florence Streets.

About \$60.00 has been expended on Bardwell's Hill, and \$18.00 near Dennis O'Brien's houses on School Street. Fifty feet of twelve inch pipe has been laid under the street near E. H. Barnard's house.

Length of gutters filled, 210 rods.

Length of roads stoned, two miles and 261 rods.

Length of roads gravelled, six miles.

Sidewalks gravelled, one mile, and 130 rods.

New sidewalk built, 130 rods.

The bushes have been cut on all the roads north of the Main road leading to Lowell, and west of the West Parish Church.

The trees have all been trimmed from the Lawrence line to Salem Street, the Electric Railroad Company and New England Telephone and Telegraph Company paying for said work.

And last, but not least, the willows near Mark Holt's house have been cut, so that the electric light can shine in upon him. Two chestnut trees on School Street have been dug up, and three trees on Main Street removed.

In reading over this report, I find I have omitted mention of several jobs of minor importance, but I trust enough has already been given to satisfy every fair-minded citizen of Andover, that every dollar of the road money has *not* been spent within one-half mile of the Town House, as a prominent citizen stated to me last year.

Yours respectfully,

JOSEPH T. LOVEJOY,

*Supt. of Streets.*

## TOWN OFFICERS.

Appropriation, March 2d,	\$5000 00
George H. Poor, Moderator,	\$10 00
Selectmen, Assessors, and Overseers of the Poor :	
Peter D. Smith,	425 00
Samuel H. Boutwell,	375 00
John S. Stark,	375 00
George A. Parker, Town Treasurer,	300 00
George A. Putnam, Town Clerk, Regis- trar of Voters, and Tax Collector,	
1890-91,	920 55
Geo. A. Putnam, Clerk of Board, 1890-91,	200 00
Water Commissioners :	
John H. Flint,	100 00
Felix G. Haynes,	100 00
James P. Butterfield,	100 00
Board of Health :	
Charles E. Abbott,	75 00
James H. Smith,	50 00
Howell F. Wilson,	50 00
Henry A. Bodwell,	11 00
Registrars of Voters :	
Henry McLawlin,	13 25
Henry Isler,	5 75
Joseph F. Cole,	13 25
Charles A. H. Fisher,	10 00
Election Officers :	
Millard A. Clement,	5 00
John J. Sweeney,	5 00
Frederick S. Boutwell,	5 00
William P. Regan,	5 00
<i>Amount carried forward,</i>	<hr/> \$3153 80

Appropriation, \$5000 00

*Amount brought forward,* \$3153 80

Frank B. Jenkins, 5 00

Joseph A. Dennison, 5 00

George H. Higgins, 5 00

Alexander Dick, 5 00

J. Newton Cole, 3 00

George H. Thwing, 3 00

Edward E. Trefry, 3 00

John Davey, 1890 and '91, 10 00

Howell F. Wilson, 1890 and '91, 10 00

Charles H. Shattuck, jr., 1890 and '91, 10 00

Lawrence F. Riley, 1890 and '91, 10 00

William H. Sleath, 1890 and '91, 10 00

Charles F. Billington, 1890, 3 00

William S. Clemons, 1890, 3 00

Auditors of Accounts :

George S. Minor, 1889, 5 00

Arthur Bliss, 5 00

George H. Higgins, 5 00

Charles H. Marland, 5 00

George F. Chéever, chief of police and constable, 780 00

Geo. W. Mears, policeman and constable, 720 00

Thomas Waldron, constable, 25 50

Charles U. Tuck, constable, 3 00

Policemen :

William L. Frye, 62 25

Michael T. Welch, 29 50

Maurice Donohue, 34 13

J. Warren Mooar, 9 00

William Gillespie, 2 50

John W. Tufts, 12 25

Charles H. Dugan, 4 50

John Davey, 34 00

*Amount carried forward,* \$4975 43

Appropriation,		\$4500 00
<i>Amount brought forward,</i>	\$4975 43	
Firewards:		
William H. Sleath,	10 00	
Richard J. Dodson,	2 50	
Total expenditure,	<hr/>	\$4987 93
Balance unexpended,		<hr/> \$12 07

## TOWN HOUSE.

Appropriation, March 2d,		\$2000 00
Robert Bell, janitor, 1890 and '91,	\$325 00	
George W. Chandler, coal,	214 50	
George F. Baker, wood,	16 00	
George Busfield, sawing wood,	3 25	
George W. Mears, window screens,	3 00	
George Saunders, repairing pump,	75	
George Goodhue, water-piping,	47 57	
Henry McLawlin, hardware,	2 12	
Brainard Cummings, stock and labor,	6 91	
Erwin C. Pike, steam-heating bill, 1890,	505 65	
Erwin C. Pike, supplies, stock, and labor,	7 86	
Hardy and Cole, stock and labor, 1890-91,	209 24	
Smith and Manning, supplies,	5 29	
Thomas P. Harriman, stock and labor,	75	
J. E. Whiting, repairing clock,	1 50	
William Wood, painting,	94 28	
John Connelly, labor,	5 00	
Andover Electric Co., wiring, 1890-91,	50 00	
Andover Electric Co., light,	410 04	
Total expenditure,	<hr/>	\$1908 71
Balance unexpended,		<hr/> \$91 29

## FIRE DEPARTMENT.

Appropriation, March 2d,	\$2000 00
Lewis T. Hardy chief engineer,	\$50 00
William H. Sleath, engineer,	35 00
Andrew McTurnen, engineer,	35 00
Moore E. White, engineer,	35 00
George D. Lawson, engineer and clerk,	50 00
George C. Lyle, engineman,	144 00
John S. Harnden, engineman,	25 00
Allan Simpson, engineman,	62 50
George W. Mears, janitor,	35 00
George E. Morse, janitor,	16 66
Henry L. Pomeroy, janitor,	20 00
Frank M. Smith, janitor,	30 00
John H. Clinton, steward and janitor,	62 50
Steamer Fire-engine Co., No. 1, pay-roll,	500 00
Steamer Fire-engine Co., No. 2, pay-roll,	375 00
Horace P. Ladd, service at fire,	2 50
Hugh O'Donnell, service at fire and labor,	4 00
Silas Buck, use of horses,	6 00
J. M. Wardwell, use of horse and wagon,	4 00
William H. Sleath, lanterns,	3 00
Charles F. Mayer and Son, harness work,	2 95
Samuel Smith, repairing engine,	41 90
Horace S. Neal, nickel polish,	2 00
Horace P. Ladd, wood,	10 00
George W. Chandler, coal,	108 75
J. H. Campion and Co., supplies,	3 43
Craighead and Kintz Mfg. Co., supplies,	3 70
F. G. Haynes and Co., supplies,	6 00
Greene and Woodlin, supplies, 1890-91,	33 35
James A. Treat and Co., supplies,	8 98
Boston Woven Hose Co., supplies,	23 52
Scollay and Rich, supplies,	1 75
Henry McLawlin, supplies,	9 83
<i>Amount carried forward,</i>	<i>\$1751 32</i>

Appropriation,		\$2000 00
<i>Amount brought forward,</i>	\$1751 32	
Erwin C. Pike, supplies, 1890-91,	42 34	
George C. Lyle, supplies,	4 79	
Patrick J. Daley, supplies,	7 32	
C. H. Shattuck, jr., supplies,	1 70	
G. Everett Calef, supplies,	5 00	
Hardy and Cole, stock and labor,	111 68	
John S. Dearborn, paint and labor,	2 00	
David J. Winton, paint, glass, and labor,	5 50	
Andover Press Company, printing,	2 25	
Andover Electric Company, wiring,	55 00	
Brown's Express,	2 10	
Total expenditure,	————	\$1991 00
Balance unexpended,		9 00

## HAY SCALES.

Appropriation, March 2d,		\$100 00
Jonathan M. Bean, weigher,	\$25 00	
Hardy and Cole, stock and labor,	49 79	
Total expenditure,	————	\$74 79
Balance unexpended,		\$25 21

## SPRING GROVE CEMETERY.

Appropriation, March 2d,		\$200 00
Sale of Lots, and fixing soldiers' lot,		55 00
		————
		\$255 00
Henry A. Hayward, team and labor,	\$70 50	
Frank M. Foster, labor,	12 97	
Timothy Howard, stone-work,	81 60	
Dennis Drisoll, labor,	24 43	
Fred McIntire, labor,	74 55	
Total expenditure,	————	\$254 05
Balance unexpended,		\$ 95

## INSURANCE ACCOUNT

Appropriation, March 2d,	\$300 00
Joseph A. Smart, re-insurance on Town buildings,	\$165 70
Balance unexpended,	<u>\$134 30</u>

## MEMORIAL DAY.

Appropriation, March 2d,	\$200 00
Brainard Cummings, Quartermaster, Post 99 G.A.R.,	\$200 00

## STREET LIGHTING.

Appropriation, March 2d,	\$2500 00
Appropriation, September 21st,	\$950 00
	<u>\$3450 00</u>
Andover Electric Co.,	3224 97
Balance unexpended,	<u>\$225 03</u>

## PRINTING AND STATIONERY.

Appropriation, March 2d,	\$1200 00
Andover Press, printing, 1890-91,	\$1055 45
George S. Merrill, printing,	8 00
J. Duke Smith, printing,	11 00
John N. Cole, stationery,	13 99
Wm. A. Carrie and Co., check-book,	13 50
A. Marland, P.M., envelopes,	22 00
Total expenditure,	<u>\$1123 94</u>
Balance unexpended,	<u>\$76 06</u>

## SINKING FUND.

Appropriation, March 2d,	\$150 00
George H. Parker, Treasurer,	150 00



## STATE AID.

Appropriation, March 2d,	\$1400 00
Charles H. Bell,	\$48 00
Robert Bell,	4 00
Henry O. Burnham,	18 00
Benjamin Cheever,	72 00
Betsey J. Cheever,	48 00
Samuel Cheever,	48 00
George Craig,	72 00
Ellen Craig,	48 00
Lemuel P. Cram,	54 00
Deborah M. Cushing,	16 00
Harriet Dalton,	28 00
Elmore Dane,	36 00
Augustus M. Davis,	48 00
Rhoda Davis,	48 00
John S. Dearborn,	72 00
Susan B. Farnham,	48 00
John C. Hovey,	44 00
Ann Hunter,	48 00
Lizzie A. Johnson,	48 00
Bridget McCullough,	48 00
James McDonald,	48 00
John McKenzie,	24 00
Charles Mears,	72 00
John P. Morgan,	72 00
William B. Morse,	72 00
George W. Parker,	48 00
Augustine K. Russell,	36 00
Laura F. Smith,	48 00
Nancy M. Travis,	48 00
Charles D. Woodbridge,	36 00
Total expenditure,	———— \$1400 00

The State Aid is paid to disabled soldiers — (and their wives) — and soldiers' widows who draw pensions from the

U. S. Government. It is paid only upon the approval of the Commissioners of State Aid. The whole amount is repaid to the Town by the State.

#### MILITARY AID.

Appropriation, March 2d,		\$900 00
Robert Bell,	\$132 00	
Elijah Buxton,	96 00	
Theodore A. Gibbs,	96 00	
Joseph C. Goldsmith,	96 00	
John McKenzie,	48 00	
Joseph G. Nolan,	96 00	
Nathaniel Roundy,	144 00	
Winslow Russell,	80 00	
Joseph W. Wardwell,	54 00	
Total expenditure,	<hr/>	\$842 00
Balance unexpended,		\$58 00

The Military Aid is paid to disabled soldiers who do not draw pensions. It is paid only upon the approval of the Commissioners of State Aid. One half of the amount is repaid to the Town by the State.

#### USE OF HYDRANTS.

Appropriation, March 2d,	\$4000 00
Andover Waterworks,	\$3300 00
Balance unexpended,	\$700 00

#### SERVICE PIPE.

Appropriation, March 2d,	\$3000 00
Andover Waterworks,	3000 00

## NOTES DISCOUNTED.

## Andover National Bank :

1891, March 9,	Note No. 1, 6 months,	\$4000 00
March 9,	Note No. 2, 6 months,	2500 00
April 6,	Note No. 3, 5 months,	2500 00
May 4,	Note No. 4, 4 months,	10000 00
May 4,	Note No. 5, 4 months,	1000 00
June 1,	Note No. 6, 3 months,	6000 00
June 1,	Note No. 7, 3 months,	1000 00
June 26,	Note No. 8, 1 month,	600 00
July 6,	Note No. 9, 2 months,	3500 00
Nov. 2,	Note No. 10, 2 months,	6000 00
Nov. 2,	Note No. 11, 10 months,	3000 00
Dec. 7,	Note No. 12, 1 month,	1500 00
1892, Jan. 11,	Note No. 13, 10 months,	1800 00
Jan. 11,	Note No. 14, 8 months,	500 00
Amount discounted,		—————\$43900 00

## INTEREST ON BONDS, FUNDS, AND NOTES.

Appropriation, March 2d,	\$8500 00
Andover Water Bonds,	\$6075 00
Memorial Hall Funds,	1400 00
Old Proprietor's Fund,	96 00
Andover National Bank,	632 06
Total expenditure,	—————\$8203 06
Balance unexpended	\$296 94

## NOTES PAID.

Aug. 3, 1891, Andover National Bank,	\$600 00
Sept. 8, 1891, Andover National Bank,	30500 00
Jan. 11, 1892, Andover National Bank,	1500 00
Jan. 12, 1892, Andover National Bank,	6000 00
Total,	—————\$38600 00

## COUNTY TAX.

Appropriation, March 2d,	\$6000 00
Paid County Treasurer,	\$6376 17
Overdrawn,	<u>\$376 17</u>

## STATE TAX.

Appropriation, March 2d,	\$6000 00
Andover National Bank Tax collected,	2405 41
	<u>\$8405 41</u>
Paid State Treasurer, town tax,	\$4365 00
Paid State Treasurer, bank tax,	2405 41
Total expenditure,	<u>————— \$6770 41</u>
Balance unexpended,	<u>\$1635 00</u>

## DISCOUNT ON TAXES.

Appropriation, March 2d,	\$2400 00
George A. Putnam, Collector, discount on town taxes,	\$2018 37
George A. Putnam, Collector, discount on bank tax,	149 51
Total amount allowed,	<u>————— \$2167 88</u>
Balance unexpended,	<u>\$232 12</u>

## ABATEMENT OF TAXES.

Appropriation, March 2d,	\$400 00
Geo. A. Putnam, Collector, 1889 list,	\$18 75
Geo. A. Putnam, Collector, 1890 list,	112 93
S. F. E. Company, No. 1, poll-taxes,	34 00
S. F. E. Company, No. 2, poll-taxes,	28 00
Total expenditure,	<u>————— \$193 68</u>
Balance unexpended,	<u>\$206 32</u>

## DOG TAX.

Amount paid to County Treasurer by George A. Putnam, Town Clerk,	\$735 00
Amount deducted for damages,	165 91
Amount returned to Town,	<hr/> 569 09
J. A. Smart, Treasurer Memorial Hall,	\$569 09

## MISCELLANEOUS.

Appropriation, March 2d,	\$1500 00
John S. Stark, railroad fares,	\$4 30
G. A. Putnam, express, postage, and supplies,	19 18
Geo. A. Putnam, obtaining, recording, indexing, and returning births, marriages, and deaths, 1890,	78 45
J. F. Richards, M.D., returning births,	5 00
C. H. Shattuck, M.D., returning births,	4 00
Charles S. Parker, returning deaths,	16 00
Maurice J. Mahoney, returning deaths,	6 25
C. E. Abbott, M.D., town physician,	75 00
C. E. Abbott, M.D., expenses, board of health,	4 00
Samuel K. Johnson, services, board of health,	8 10
James H. Smith, expenses, board of health,	1 63
Arthur Bliss, supplies, board of health,	4 50
Walter B. Allen, Sup't, team and labor, board of health,	45 50
Charles Harrington, M.D., analysis of water,	40 00
C. F. Smith, Ph.D., analysis of milk,	18 00
George H. Poor, town counsel, 1890-91,	175 00
George F. Cheever, chief of police :	
Feeding and committing prisoners,	15 85
Railroad fares,	10 38
Telephoning,	5 90
Summoning witness,	1 40
William H. Higgins, horse hire,	99 00
John Pray, horse hire,	21 75
G. W. Hall and Co., desk,	17 00
Fairbanks Company, yardstick,	1 75
<i>Amount carried forward,</i>	<i>\$677 94</i>

Appropriation,		\$1500 00
<i>Amount brought forward,</i>	\$677 94	
C. A. H. Fischer, expenses, reg. of		
voter account,	2 60	
H. P. Noyes, table and chairs, Precinct 2,	11 00	
Henry McLawlin, hardware,	1 20	
Omar P. Chase, numbering school children,	40 00	
George S. Merrill, advertising,	4 00	
Brainard Cummings, carpenter work,	3 21	
Hardy and Cole, post and labor,	2 92	
Mrs. Hannah Burt, hitching post,	1 50	
W. & L. E. Gurley, surveying instruments,	138 00	
Joseph J. Joslyn, lock and labor,	2 00	
Charles A. Boone, painting sign,	1 50	
Charles G. Hussey, sawing lumber,	47 38	
William H. Goodwin, railroad tickets,	1 05	
Charles H. Marland, railroad tickets,	4 43	
George C. Lyle, dinners,	4 25	
Parker Spinney, dinners,	4 00	
Charles Schlayer, services at fires,	5 00	
John Connelly, work on vault,	2 00	
Andover Waterworks, lowering grade and		
pipe,	8 82	
Benj. B. Tuttle, expressing,	95	
American, Express Company, expressing,	1 00	
Total expenditure,	————	\$964 75
Balance unexpended,		\$535 25

## SUMMARY OF APPROPRIATIONS AND RECEIPTS.

Schools,	\$16056 34
School-houses,	2650 00
West Centre School-house,	800 00
School-house Grading and Cementing,	1000 00
School-books and School supplies,	1020 25
Highways and Bridges,	8112 74
Sidewalks,	500 00
Removing Snow,	500 00
Stone Breaker,	2500 00
Town Officers,	5000 00
Town House,	2791 00
Street Lighting,	3450 00
Printing and Stationery,	1200 00
Fire Department,	2000 00
Town Horses and Drivers,	2000 00
Spring Grove Cemetery,	255 00
Memorial Day,	200 00
State Aid,	1400 00
Military Aid,	900 00
Insurance,	300 00
Hay Scales,	172 55
Andover Waterworks,	7150 00
State Tax, \$6000, and Bank Tax collected, \$2405.41,	8405 41
County Tax,	6000 00
Dog Tax,	569 09
Discount on Taxes,	2400 00
Abatement of Taxes,	400 00
Notes Discounted,	43900 00
Interest on Notes. Funds, and Bonds,	8500 00
Almshouse Expenses,	4640 44
Relief out of Almshouse,	4422 75
Repairs on Almshouse,	300 00
Miscellaneous,	1500 00



## SUMMARY OF SELECTMEN'S ORDERS.

Schools,	\$13878 04
School-houses,	2638 00
West Centre School-house,	789 58
School-house Grading and Cementing,	990 89
School-books and School supplies,	999 18
Highways and Bridges,	7999 88
Sidewalks,	488 28
Removing Snow,	564 61
Stone Crusher,	2500 00
Town Officers,	4987 93
Town House,	1908 71
Street Lighting,	3224 97
Printing and Stationery,	1123 94
Fire Department,	1991 00
Town Horses and Driver,	2000 00
Spring Grove Cemetery,	254 05
Memorial Day,	200 00
State Aid,	1400 00
Military Aid,	842 00
Insurance,	165 70
Hay Scales,	74 79
Andover Waterworks,	29339 37
State Tax, \$4365.00, and Bank Tax paid, \$2405.41,	6770 41
County Tax,	6376 17
Dog Tax,	569 09
Discount on Taxes,	2167 88
Abatement of Taxes,	193 68
Notes paid,	38600 00
Interest on Notes Funds, and Bonds,	8203 06
Almshouse Expenses,	3864 82
Relief out of Almshouse,	5324 21
Repairs on Almshouse,	299 07
Miscellaneous,	964 75

# REPORT

## OF THE

### Selectmen and Assessors.

#### SCHOOLS AND SCHOOL-HOUSES.

The School Committee ask for appropriations as follows: Schools, \$15000; School-houses, repairs, \$1500; School-books and supplies, \$1000; Abbott Village School-house, \$10000; Punchard School-house, \$8000; grading at Ballard Vale School-house, \$150. We refer to the Report of the School Committee for information relating to their department.

#### HIGHWAYS, BRIDGES, AND SIDEWALKS.

The Superintendent of Streets gives a detailed statement of his roadwork in his Report on pages 25-28.

The travel on our roads constantly increases, and better roads are needed and demanded. The Street Department is now well supplied with machinery and teams for making good roads, and liberal appropriations ought to be made therefor.

The laying of the electric railway on Main Street has practically narrowed that most important thoroughfare of the town, and made necessary a widening of the driveway, which will cost much money to properly complete.

Another improvement of Main Street must be made in the near future. The Essex Turnpike—now Main Street—was laid out sixty-six feet wide in 1806. Abutters have en-

croached upon and fenced in portions of the original lay-out, and that ground must be recovered, as every inch of the sixty-six feet width is needed for the public use.

We recommend the appropriation of \$10000 for Highways and \$1200 for Sidewalks.

### REMOVING SNOW.

The 1891 appropriation was insufficient. The amount of snow that may fall and block our ways being an unknown quantity at town meeting time, it will be well to have the appropriation large enough. We advise \$800.

### TOWN HORSES.

The Town now owns six horses—three teams for road work. We refer to the "Earnings of Horses" account on page 24, for a showing to their credit for the past year. We repeat that we believe the horses to be a good investment for the Town. The town teams are ready for use at all times and seasons. Under the old system the road work was subject to the convenience of private owners of teams. We recommend an appropriation of \$3000 for horses and drivers.

### PAY OF TOWN OFFICERS.

An appropriation of \$5000 will be sufficient for this account.

### TOWN HOUSE.

The Town House is now well fitted for the business carried on therein. All the rooms on the ground floor being in daily use, the running expenses of heating, lighting, and janitor work are large. A considerable amount must be expended in repairs each year. Much of the expense is repaid in rents—\$791 last year. We recommend an appropriation of \$1500 for Town House.

### FIRE DEPARTMENT.

The Engineers ask for appropriations as follows: running expenses — \$2500; new hose, \$500.

### INSURANCE.

The usual amount, \$300, will be enough for renewals of policies the current year.

### HAY SCALES.

This useful and profitable piece of town property will need \$50 for running expenses and possible repairs.

### STREET LIGHTING.

In obedience to instructions voted at the special town meeting held September 21st, 1891, the Selectmen and the Street Lighting Committee made a new contract with the Andover Electric Company; the main points and conditions of which are as follows:

First, That said Electric Company agrees to furnish thirty-one arc lamps of 1200-candle power each, and sixty-eight incandescent street lamps of 25-candle power each.

Second, That said Electric Company will, at its own risk and expense, keep said lamps in operation so as to produce light at their respective capacities as aforesaid, and during the hours herein-after mentioned, for the term of three years from the fifth day of October, 1891.

Third, Said Company further agrees that it will furnish, set up, and operate as aforesaid, any number of lamps which the Town may require during the term of this contract, beyond said minimum number of thirty-one arc lamps and sixty-eight incandescent lamps, at the following prices; viz. one hundred and five dollars each per year for arc lamps of 1200-candle power capacity, and twenty-five dollars each per year for incandescent lamps of 25-candle power capacity, as above specified.

Fourth, In consideration of which said Town of Andover agrees to pay to said Electric Company for said lights (31

arc, and 68 incandescent), to be lighted from dark to daylight every dark night, the sum of forty-five hundred dollars (\$4500) per year, payment to be made monthly at pro rata rates on the regular town pay-days. It being the true intent and meaning of this clause, that electric lights shall be furnished within the limits of the town whenever the town is not well lighted by the moon.

#### PRINTING AND STATIONERY.

This expense necessarily increases: the various reports grow larger, and more stationery is required, year by year. \$1000 will be sufficient for the current year.

#### STATE AID AND MILITARY AID.

The last appropriation for State Aid, \$1400, and the expenditure therefor exactly balanced. The same amount will probably be sufficient for this year; and \$900 for Military Aid. All of the State Aid, and one half of the Military Aid, returns to the town treasury.

#### MEMORIAL DAY.

\$200, the usual amount, as for years past, is recommended, and that it be expended under direction of Post 99, G. A. R.

#### SPRING GROVE CEMETERY.

The Committee in charge ask for \$200 and the money received from sales of lots, grass, etc.

#### STATE AND COUNTY TAXES.

Nobody knows how much the town will be required to pay on these accounts. We can only estimate. As shown elsewhere, the last State Tax was less and the County Tax more than the appropriation. We advise the same amounts as last year, — \$6000 for each tax.

### DISCOUNT ON TAXES.

A discount of six per cent was allowed on taxes with satisfactory results for many years prior to 1891, in which year a four per cent discount was voted. The results of the four per cent rate were not satisfactory. A large amount of taxes which doubtless would have been paid on a larger discount, remained unpaid several months later, and the Town had to borrow money earlier than usual in consequence. We advise that five per cent discount be allowed this year and an appropriation of \$3000 made therefor.

### ABATEMENT AND REMISSION OF TAXES.

\$300 will be sufficient for this account.

### INTEREST ON NOTES, BONDS, AND FUNDS.

\$3500 will be needed for these accounts.

### WATERWORKS.

The Commissioners ask for the following amounts: Bond payments, \$4500; Use of Hydrants and Water in Town Buildings, \$3000; Service-pipe, \$1000; Reservoir, \$1500; Sinking Fund, \$150; Maintenance, \$3500; Extension in Frye Village, \$1500; Extension on Washington Avenue, \$3800; Extension of Street Lines, \$1000; New Boiler, \$2100.

### MISCELLANEOUS.

This appropriation is intended to cover all expenditures and liabilities not otherwise provided for. Unforeseen contingencies are liable to arise, suits for damages, etc. We advise an allowance of \$1500.

### THE FINANCIAL YEAR.

At the last annual meeting the Town authorized the Selectmen and Treasurer to have a regular pay-day in February, but omitted to authorize the Treasurer to borrow money for said pay-day. The town accounts being closed in January,



with most of the appropriations nearly or quite exhausted, the February pay-day is the beginning of the new financial year, so far as payments are concerned, and in order to provide money therefor, we advise that the annual vote authorizing the Treasurer to hire money be amended so as to provide for this.

We refer to the Treasurer's Report for information relating to the financial affairs of the town.

The special town meeting of September 21st, 1891, appropriated \$1450 for school-house ventilation, \$950 for street lighting (additional), and \$2000 for highways (additional), in all \$4400, making the total appropriation for the year, \$91,950. Of this amount there are unexpended balances aggregating \$6539.30.

#### MEMORIAL HALL.

We are informed by the Trustees that the funds available for running expenses are insufficient to fully pay for lighting the building. We recommend that an appropriation of \$175 be made therefor.

PETER D. SMITH,	} Selectmen and Assessors.
SAM'L H. BOUTWELL,	
JOHN S. STARK,	

## Overseers' Account.

### ALMSHOUSE EXPENSES.

Appropriation, March 2d,	\$4000 00
Walter B. Allen, superintendent,	\$600 00
Milo H. Gould, superintendent,	30 00
Mrs. C. A. P. Gould, housework,	16 00
Mrs. E. C. Staples, housework,	114 00
Mrs. F. N. C. Findley, housework,	52 00
Joshua Bailey, team and labor,	27 50
Thomas Manion, labor,	60 00
Edward Norton, labor,	200 00
William O'Neil, labor,	197 00
Benjamin F. Upton, labor,	12 00
T. A. Holt and Co., groceries,	458 74
Smith and Manning, groceries,	628 41
William F. Findley, fish,	77 55
Valpey Brothers, meat,	201 83
John P. Wakefield, meat,	116 54
Brooks F. Holt, ice,	11 00
Alexander B. Bruce, crackers,	8 10
David I. C. Hidden, apples,	4 00
Henry E. Gould, turnips,	1 50
George W. Chandler, coal,	215 78
John Cornell, coal,	35 75
Bicknell Brothers, clothing,	47 00
Wm. Oswald & Co., dry goods,	124 27
Harlan P. Wright, boots and shoes,	57 90
<i>Amount carried forward,</i>	<u>\$3296 87</u>



Appropriation,		\$4000 00
<i>Amount brought forward,</i>	\$3296 87	
Beach Soap Co., soap,	20 00	
Charles G. Hussey, washing,	35 85	
Henry P. Noyes, furniture, stock, and labor,	19 77	
Arthur Bliss, medicine,	21 30	
George H. Parker, medicine,	19 35	
George S. Merrill, printing,	1 00	
John N. Cole, stationery,	75	
A. Marland, P.M., postage,	2 75	
Henry McLawlin, hardware,	23 73	
Erwin C. Pike, ware, stock, and labor,	25 12	
John E. Whiting, clock work,	1 50	
George Saunders, ware, stock, and labor,	2 10	
Anderson and Bowman, iron-work,	10 50	
Thomas P. Harriman, iron-work,	5 85	
Charles F. Mayer and Son, harness work,	10 90	
William Poor, stock, and labor	16 25	
M. E. White, mason work,	18 25	
John O'Connell, wheelbarrow,	4 50	
Andover Electric Company, bells,	10 00	
Glover and Willcomb, husks,	10 15	
Benj. H. Farnham, cow,	45 00	
Irving Batchelder, hens,	12 75	
A. L. Batchelder, pigs,	25 00	
A. R. Brewster, swill,	90 80	
H. K. Webster, & Co., grain and grinding,	46 45	
F. M. Vietor, grinding,	4 98	
S. H. Boutwell, cabbage plants,	3 00	
Milo H. Gould, fertilizer,	68 00	
Michael McCormick, fence posts,	1 00	
Boston and Maine Railroad, freighting,	32	
Free Church Society, pew-rent,	9 00	
N. S. S. Tompkins, acid and paint,	2 03	
Total expenditure,	<hr/>	\$3864 82
Balance unexpended,		\$135 18

## REPAIRS ON ALMSHOUSE.

Appropriation, March 2d,		\$300 00
Hardy and Cole, stock and labor,	\$180 13	
Erwin C. Pike, stock and labor,	37 85	
George Saunders, stock and labor,	54 85	
Slaughter Brothers, stock, and labor,	26 24	
Total expenditure,	<hr/>	\$299 07
Balance unexpended,		\$ 93

## RELIEF OUT OF ALMSHOUSE.

Appropriation, March 2d,		\$4000 00
Mrs. Hannah Adams,	\$1 00	
Mrs. Julia Cotter,	79 09	
Mrs. Mary Comber,	162 50	
Mrs. Harriet Dalton,	129 00	
Mrs. Mary A. Fenlason,	87 75	
Mrs. Susan Goodwin,	15 75	
Mrs. Joanna Holland,	16 00	
Mrs. Ann Hunter,	153 60	
Mrs. Sarah Kendall,	78 00	
Mrs. Jessie E. Mason,	55 00	
Mrs. Louisa M. Mason,	65 50	
Mrs. Ann McAveney,	19 12	
Mrs. Ellen A. O'Connor,	11 75	
Mrs. Mary Shea,	87 50	
Mrs. Bridget Tate,	41 69	
Mrs. Kate Tobin,	82 00	
Mrs. Annie F. Warden,	30 00	
Mrs. Charlotte White,	36 85	
Miss Gertrude Wardman,	79 50	
Walter Bailey,	45 00	
William Boulanger,	5 76	
Owen Burns,	18 76	
<i>Amount carried forward,</i>	<hr/>	\$1301 12

Appropriation,		\$4000 00
<i>Amount brought forward,</i>	\$1301 12	
Benjamin Cheever,	19 00	
George Craig,	104 00	
Elmore Dane,	108 00	
Thomas Doyle,	1 50	
John Driscoll,	9 50	
James Harvey,	104 00	
William Hodgman,	102 91	
John D. Lynch,	98 50	
William B. Osgood (family),	123 00	
John F. Qualey,	7 88	
Michael Troye,	12 00	
William F. Trulan,	61 15	
Thomas Welch,	16 00	
	<hr/>	\$2068 56

## PAID CITIES AND TOWNS.

Boston, Caleb O. Parker,	\$98 88	
Danvers, John O. Holt,	82 75	
Groveland, Frank McCabe,	150 00	
Lawrence, Mrs. J. M. Abbott,	138 00	
Lawrence, Mrs. A. G. Wardwell,	1 00	
Lawrence, Miss Jane Lindsay,	68 58	
Lawrence, Joseph W. Dalton,	61 43	
Lawrence, Thomas Donovan,	72 00	
Lowell, Miss Kate Murray,	6 29	
Lowell, Miss Kate Regan,	5 00	
Lowell, John F. Dorsey,	3 75	
North Andover, Mrs. Robertina		
Crockett,	207 49	
No. Reading, Nathan F. Towne,	29 50	
Rockland, Sarah Nolan,	129 75	
	<hr/>	\$1054 42
<i>Amount carried forward,</i>		\$3122 98

Appropriation,	\$4000 00
<i>Amount brought forward,</i>	\$3122 98

## PAID ON ACCOUNT OF CITIES AND TOWNS.

Billerica, Mrs. Eliza Pasho,	\$104 00
Boston, Mrs. Bridget Barry,	20 00
Cambridge, John Haley,	16 81
Lawrence, Miss —— McAvoy,	11 00
Lynn, Miss Lizzie A. Abbott,	52 00
No. Reading, Mrs. Eliza Bird,	26 00
No. Reading, Fred. McIntire,	145 25
	<hr/>
	\$375 06

## PAID ON ACCOUNT OF COMMONWEALTH.

Mrs. Harriet Robinson,	\$35 00
Mrs. Jessie Watson,	25 97
John Gabriel,	8 00
——— Unknown (drowned),	19 75
	<hr/>
	\$88 72

## LUNATIC HOSPITALS.

Danvers, Mrs. Catherine Hayes,	\$169 47
Danvers, Miss Hannah Hill,	60 36
Danvers, Miss Olga Mayer,	169 47
Danvers, George H. Mears,	118 54
Danvers, Edwin C. Moody,	44 10
Danvers, William B. Osgood,	169 47
Danvers, George F. Stevens,	169 47
Tewksbury, Isabella C. Johnson,	104 00
Westborough, Arthur W. Buckley,	47 36
Worcester, Miss Caroline E. Hunt,	262 46
	<hr/>
	\$1314 70

Total expenditure,	<hr/>	\$4901 46
Overdrawn,		\$901 46

## ALMSHOUSE.

Whole number of paupers in Almshouse during the year,	30
Whole number of weeks' board,	1535
Whole number of tramps,	1153
Whole number of weeks' board,	110
Total number of weeks' board,	<u>1645</u>
Average weekly expense for each inmate, first deducting the amount sold from the farm from the expense of the Almshouse, was	\$1 97

## REMAINING IN ALMSHOUSE.

Between eighty and ninety,	2
Between seventy and eighty,	2
Between sixty and seventy,	3
Between fifty and sixty,	2
Between forty and fifty,	5
Between thirty and forty,	4
Between twenty and thirty,	1
Between ten and twenty,	0
Between one and ten,	3
Total,	<u>22</u>
Number at beginning of the year,	27
Number admitted,	3
Number discharged,	6
Number died,	2

Abbie Ann Mears, October 21, 1891, aged 49 years.

Barbara Morris, January 9, 1892, aged 87 years.

## PERSONAL PROPERTY AT THE ALMSHOUSE.

Household furniture,	\$1000 00
Clothing,	600 00
Farm stock,	405 00
Farm tools,	500 00
Farm produce,	601 00
Fuel and lumber,	255 00
Provisions,	155 00
Total,	<u>\$3516 00</u>

## SUPERINTENDENT'S FARM ACCOUNT.

## DR.

To cash received for	
Hay,	\$70 00
Vegetables,	149 00
Eggs,	122 24
Cow,	10 00
Calves,	22 08
Hogs,	187 92
Fowls,	18 00
Difference on oxen,	15 00
Earnings of horses and oxen,	45 50
	<u>\$640 44</u>

## CR.

By cash paid Town Treasurer,	\$640 44
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MILO H. GOULD,

SUPERINTENDENT.

## Overseers' Report.

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The past year was an unusually eventful one in the Poor Department, both at the Almshouse and outside.

Superintendent Walter B. Allen died October 31st, having faithfully served the Town in his office twelve years and seven months. We deemed it advisable to retain Mrs. Allen as matron, and to that purpose appointed Milo H. Gould Superintendent for the remainder of Mr. Allen's unexpired term. By this arrangement the internal affairs of the house were continued without disturbance of the long-existing good order and pleasant relations, and also gives us ample time to make such further arrangements as may become necessary in the near future.

The business affairs of the Almshouse and Farm have been well conducted, as heretofore; the house continues to be a model of neatness and good keeping throughout; the farm produced good crops, which largely aided in paying the expenses.

The ordinary running expenses of the Almshouse for the coming year will probably be about the same as the last, but the repair account must be larger. Some floors must be renewed and other woodwork repaired. The heating boilers have been in use seventeen years, and are worn nearly to the danger point, and must be replaced by new ones.

Two of the farm buildings have been re-shingled, the bill therefor being brought over. New boilers, woodwork repairs, and bills due will require an appropriation of \$1000 on repairs account.

We have to report an overdraw in the Relief Out account. A large part of this was in 1890 bills from cities and towns, received after the accounts closed. More than \$500 of the 1890 appropriation of \$4500 was not expended. The appropriation for 1891 being only \$4000, was largely insufficient.

The expense on Relief Out account will probably increase. The cost of pauperism to the State grows larger every year, and in order to relieve the State, laws have been passed and amended which compel cities and towns to bear a larger proportion of the burdens than formerly.

The tramp nuisance decreased in quantity if not in quality: sixteen hundred and eighteen in 1890, eleven hundred and fifty-three last year. May their tribe continue to decrease to the vanishing point.



## SUMMARY OF OVERSEERS' ORDERS.

Total Appropriation, March 2d,		\$8300 00
Almshouse expenses,	\$3864 82	
Relief out of Almshouse,	4901 46	
Repairs on Almshouse,	299 07	
Total expenditure,	————	\$9065 35
Overdrawn,		\$765 35

## REPRESENTATIVE FUND.

In accordance with the desire of the donor, Edward Taylor, Esq., the interest has been given to William B. Osgood.

The Overseers recommend that the following amounts be appropriated for the ensuing year :

For the Almshouse,	\$4000 00
For Relief out of Almshouse,	5000 00
For Repairs of Almshouse,	1000 00

Respectfully submitted,

PETER D. SMITH,	} <i>Overseers</i> <i>of Poor.</i>
SAM'L H. BOUTWELL,	
JOHN S. STARK,	

# Report of the Chief Engineer

OF THE

## Fire Department.

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TO THE BOARD OF SELECTMEN :

*Gentlemen*,— In compliance with the regulation of the Fire Department, I submit the following report.

The force of the Department consists of three engineers, twenty-two members of Andover Steamer, Co. No. 1, and B. F. Smith Hook and Ladder Truck, and sixteen members of J. P. Bradlee Steamer Co. No. 2.

The apparatus consists of two third class steam fire-engines, one hand engine, with hose-carriage for each, one one-horse hose-carriage, one hook and ladder truck, and one supply wagon. There are about four thousand feet of hose in good condition.

There have been twenty-two alarms of fire the past year :

Feb. 16. Fire in house occupied by Henry J. Gardner, Ballard Vale.

March 29. Brush fire, near Poms Pond, Ballard Vale.

April 2. Brush fire, on land of Thomas Clinton, Ballard Vale.

April 2. Brush fire, in wood near J. C. Morgan's place, Ballard Vale.

April 10. Brush fire, on land of George Pillsbury, Ballard Vale.

April 12. Fire in house of David Bruce, Abbott Village.

April 13. Fire on the premises of George W. W. Dove, Frye Village.

- April 24. Brush fire, on land of Peter D. Smith, Abbott Village.
- May 10. Brush fire, on land of Jas. McAvoy, Ballard Vale.
- May 24. Brush fire, near Lowell Junction.
- June 11. Brush fire, near Foster's Pond.
- June 12. Brush fire, on Wilmington road.
- June 14. Brush fire, on land of George Pearson, Ballard Vale.
- Aug. 5. Fire in the house of Charles O. Cummings.
- Aug. 16. Fire in the house of John Davey, Ballard Vale.
- Oct. 6. Fire in the Pratt house, School Street.
- Oct. 7. Brush fire, near railroad bridge, Ballard Vale.
- Oct. 11. Fire in Wm M. Wood's greenhouse, Frye Village.
- Oct. 13. Fire in the house of Mrs. James Muldowney.
- Dec. 3. Brush fire, near Lowell Junction.
- Dec. 13. Brush fire, in Town woods.
- Jan. 20. Fire in the house of Mrs. John Barry.

I recommend an appropriation of \$2500 for the running expenses of the ensuing year, and \$500 for new hose.

#### SCHEDULE OF PROPERTY.

Two Engine-houses and shed,	\$12000 00
Two Steam fire-engines and apparatus,	10000 00
Three horses and harnesses,	700 00
Shawshin engine and apparatus,	200 00
B. F. Smith hook and ladder truck,	500 00
Total,	<u>\$23400 00</u>

Respectfully submitted,

LEWIS T. HARDY,

CHIEF ENGINEER.

ANDOVER, MASS., January 27, 1892.

## Report of Chief of Police.

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TO THE BOARD OF SELECTMEN :

*Gentlemen,* — In compliance with the regulation of Police Department, I submit my seventh annual report.

### ARRESTS.

There have been fifty seven arrests, for the following causes :

Adultery,	1
Assault with a dangerous weapon,	1
Assault, simple,	12
Bastardy,	1
Breaking and entering building,	1
Disturbing the peace,	9
Drunks,	6
Evading fare,	2
Illegal keeping of liquor,	1
Insane,	4
Killing woodcock out of season,	1
Larceny,	5
Malicious mischief,	1
Riding Bicycle on sidewalk,	8
Standing on sidewalk after being requested to move on,	2
Setting fire,	1
Selling ice-cream on Sunday,	1
Whole number of arrests,	— 57

## Disposal of cases :

Appealed,	1
Bound over to Grand Jury,	3
Committed to Lawrence Jail,	9
Committed to Lyman School,	1
Dismissed with payment of costs.	1
Discharged at lower court,	4
Discharged at higher court,	1
Discharged by officers,	4
·Paid fines,	29
Placed on file at lower court,	2
Placed on file at higher court,	1

## MISCELLANEOUS.

Burglaries reported,	7
Number of search warrants served,	2
Cases investigated,	243
Doors found open at night and secured,	7
Windows found open in stores and closed,	3
Number of dogs killed,	49
Strayed teams cared for,	3
Intoxicated persons cared for,	6
Lanterns placed in dangerous places,	7
Number of permits given to tramps,	1040
Persons locked up,	32
Suspicious persons detained,	9
Amount of fines and costs paid to Town,	\$243 72
Value of property reported stolen,	3850 00
Value of property recovered,	159 00
Value of equipments in the hands of Police,	125 00

Respectfully submitted,

GEORGE F. CHEEVER,

CHIEF OF POLICE.

ANDOVER, Jan. 16, 1892.

## Punchard Free School.

The Trustees of the Punchard Free School respectfully present to the Town the following account of the condition of the Fund, and of the Income and Expenses for the year ending December 31st, 1891.

### PRINCIPAL.

Amount of Fund Dec. 31st, 1891,		\$75005 00
This is invested in :		
Real Estate Mortgages,	\$67450 00	
City Bonds (Holyoke),	6000 00	
Real Estate (by foreclosure),	1000 00	
Deposit with Mercantile Loan and Trust Company,	500 00	
Deposit in Andover Savings Bank,	55 00	
	<u>          </u>	<u>\$75005 00</u>

### INCOME.

Amount on hand December 31st, 1890,	\$3683 39	
Received during the year 1891,	4874 45	
	<u>          </u>	\$8557 84
Expenses and payments for the year,	\$4980 65	
Balance on hand December 31st, 1891,	3577 19	
	<u>          </u>	<u>\$8557 84</u>

### SCHEDULE OF PAYMENTS.

Frank O. Baldwin, Principal,	\$1800 00
Mary E. Dern, Assistant,	600 00
Mary Alice Abbott, Assistant,	550 00
Lucia G. Merrill, Assistant,	220 00
Edward Butterworth, music,	68 00
Frederick Palmer, Visiting Committee,	100 00
Geo. H. Poor, Treasurer,	200 00
Curtis M. Baldwin, janitor,	200 00
F. W. Barry, Beale, and Co., supplies.	16 30
J. L. Hammet, supplies,	1 77
<i>Amount carried forward,</i>	<u>\$3756 07</u>

<i>Amount brought forward,</i>	\$3756 07
M. T. Walsh, repairs,	6 20
Henry P. Noyes, repairs and supplies,	21 05
T. A. Holt and Co., supplies,	3 87
Henry McLawlin, supplies,	55
George H. Parker, chemicals,	17 47
Boston School Supply Co., books,	31 45
D. Appleton and Co., books,	15 00
American Book Company, books,	25 44
Thompson, Brown, and Co., books,	59 67
Ginn and Co., books,	217 18
Effingham, Maynard, and Co., books,	70 44
D. C. Heath and Co., books,	48 17
Houghton, Mifflin, and Co., books,	13 17
W. Small, books,	19 46
C. Schoenhof, books,	12 40
Albert Scott, books,	22 50
Sheldon and Co., books,	20 70
W. Read and Sons, guns,	*128 86
E. H. Barnard, repairs,	5 91
John N. Cole, supplies,	6 11
George W. Chandler, fuel,	161 44
Snyder and Black, diplomas,	20 00
Pulsifer, Jordan, and Co., supplies,	14 40
Brainard Cummings, repairs,	11 38
Joseph A. Smart, insurance,	84 40
Benj. B. Tuttle, express,	7 50
Allen Bros., stamp,	1 00
S. P. Johnson, account,	28 50
C. C. Bourne, tuning piano,	2 50
Frank O. Baldwin, account	5 00
Andover Press, account,	5 50
H. A. Halstead, account,	25 00
H. Cunnningham, labor,	5 00
T. Howard, repairs,	29 42
F. A. Dinsmore, repairs,	60 90
F. Palmer, account,	11 04
J. Connolly, labor,	6 00
Total payments,	\$4980 65

\* This is in addition to \$123.50 raised by the pupils, and paid for this purpose.

Total payments,	\$4980 65
Balance of income :	
Deposited in Savings Banks,	\$1945 00
Deposited with Trust Companies,	1326 31
Deposited in Andover National Bank,	153 36
Cash not deposited,	152 52
	<hr/> 3577 19
	<hr/> \$8557 84

January 1, 1892.

GEO. H. POOR,  
TREASURER.

January 16, 1892.

Examined, and found correct,

GEORGE GOULD,  
C. H. GILBERT,  
AUDITING COMMITTEE.

FREDERIC PALMER, GEORGE GOULD,  
JOHN J. BLAIR, HORACE H. TYER,  
F. W. GREENE, GEO. H. POOR,  
CHAS. H. GILBERT, SAM'L H. BOUTWELL,  
TRUSTEES.



## Report of Cemetery Committee.

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The Cemetery Committee herewith submit their Annual Report, with the statement of the receipts and expenditures for the year ending January 11th, 1892.

During the past year the walks have been gravelled, and balance of the wall pointed, and other needed improvements made.

Three burial lots have been sold.

The improvements needed for the ensuing year: The walks to be kept gravelled, and any other improvements that may be needed to keep the premises in order.

We therefore respectfully ask for the appropriation of \$200, with the proceeds of such sales as may be made from the premises during the ensuing year.

## DR.

## Cash paid

Henry A. Hayward, labor and team,	\$70 50	
Frank M. Foster, labor,	12 97	
Fred McIntire, labor,	74 55	
Dennis Driscoll, labor,	14 43	
Timothy Howard, pointing wall,	81 60	
	<hr/>	\$254 05

## CR.

## By cash received

Appropriation,	\$200 00	
Sale of lots,	53 00	
For fixing Soldiers' lot,	2 00	
	<hr/>	\$255 00

Balance unexpended,		<hr/>	95
		<hr/>	

Received from the Town as per last Report,	\$10311 02
Received from the Town this year,	200 00
Received from sale of lots, wood, grass, etc.,	5622 55

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\$16133 57

Less overpaid,	1099 31
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\$15034 26

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Cost of land,	\$3000 00
Cost of improvements, as per last Report,	\$11779 26
Cost of improvements this year,	254 05

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\$12033 31

Balance unexpended,	95
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\$15034 26

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Lots sold as per last Report,	184	
Lots sold this year,	3	
	<hr/>	187
Whole number of single graves sold,		13
Interments as per last report,	328	
Interments this year,	24	
	<hr/>	352

Respectfully submitted for the Committee,

JOHN CORNELL,

CLERK AND TREASURER.

## Tax Collector's Account.

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*George A. Putnam in Account with the Town of Andover.*

Dr.

Amount due Town on 1889 Taxes, as by Report	
January 12, 1891,	\$442 90

Cr.

Amount collected,	\$424 15	
Amount abated and remitted,	18 75	
	\$442 90	

Interest on Taxes, 1889 List,	\$32 63
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Dr.

Amount due Town on 1890 Taxes, as by Report	
January 12, 1891,	\$2892 40

Cr.

Amount collected,	\$2210 00	
Amount abated and remitted,	112 93	
Amount uncollected,	569 47	
	\$2892 40	

Interest on Taxes 1890 List,	\$53 37
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## DR.

Assessors' List of Taxes for 1891,	\$57872 83
Andover National Bank Tax,	3204 81
	<hr/>
	\$61077 64

## CR.

Amount collected,	\$55520 87
Discount on Town Tax,	2018 37
Discount on Bank Tax,	149 51
Amount uncollected,	3388 89
	<hr/>
	\$61077 64

GEORGE A. PUTNAM,

COLLECTOR.

ANDOVER, January 12, 1892.

## Treasurer's Account.

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*George A. Parker, Treasurer, in Account with the Town of Andover.*

DR.

Cash received,

Balance from last year,	\$1929 95
Commonwealth, Corporation Taxes,	8613 58
Commonwealth, Bank Taxes,	2969 24
Commonwealth, State Aid,	1907 00
Commonwealth, School Fund,	56 34
Commonwealth, support State Pauper,	57 00
County of Essex, Dog Taxes returned,	569 09
George A. Putnam, Collector, 1889, taxes, interest, and abatements,	475 53
George A. Putnam, Collector, 1890, taxes, interest, and abatements,	2376 30
George A. Putnam, Collector, 1891, taxes and discount,	57688 75
Sundry cities and towns, pauper account,	325 25
Andover National Bank, Notes discounted,	43900 00
Town House rents,	791 00
Ballard Vale store rents,	158 00
Auctioneers' Licenses,	4 00
Grove Licenses,	4 00
Pool table License,	6 00
<i>Amount carried forward,</i>	<u>\$121831 03</u>

## CR.

## Cash paid Selectmen's Orders :

Schools,	\$13878 04
School-houses,	2638 50
School Books and Supplies,	999 18
West Centre School-house,	789 58
Highways,	7999 88
Sidewalks,	488 28
Snow removed,	564 61
Town Officers,	4987 93
Town House,	1908 71
Street Lighting,	3224 97
Printing and Stationery,	1123 94
Spring Grove Cemetery,	254 05
Interest on Notes and Bonds,	8203 06
Notes paid,	38600 00
Insurance,	165 70
Memorial Day,	200 00
Miscellaneous,	964 75
Fire Department,	1991 00
Horses and Drivers,	2000 00
Abatement of Taxes,	193 68
Discount on Taxes,	2167 88
County Tax,	6376 17
State Tax,	6770 41
Hay Scales,	74 79
Stone Crusher,	2500 00
<i>Amount carried forward,</i>	<i>\$109065 11</i>

DR.

<i>Amount brought forward,</i>	\$121831 03
Cash received,	
Intelligence Office License,	1 00
Income from town farm,	640 44
Spring Grove Cemetery,	55 00
School Committee, books sold,	20 25
Town Maps sold,	6 30
Relief out, money refunded,	422 92
Street Superintendent, gravel and old iron sold, trimming trees, etc	94 34
Street Superintendent, work on Waterworks,	18 40
Water rates,	5349 32
Hay Scales,	72 55
Criminal fees,	243 72
Discount on County Tax,	59 77
Windmill sold,	20 00
	<u>\$128835 04</u>

ANDOVER, Jan. 14, 1892.



CR.

<i>Amount brought forward,</i>	\$109065 11
Cash paid Selectmen's Orders,	
Hydrants,	3300 00
Service Pipe,	3000 00
Sinking Fund,	150 00
Dog-License Money, to Library,	569 09
Grading and Cementing,	990 89
Cash paid Overseers' Orders :	
State Aid,	1400 00
Aid to Indigent Soldiers and Sailors,	842 00
Almshouse Expenses,	3864 82
Relief out of Almshouse,	5324 38
Almshouse Repairs,	299 07
Cash on hand,	29 68

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\$128835 04


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GEO. A. PARKER, TREASURER.

## LIABILITIES.

Trustees of Memorial Hall, Note,	\$25000 00
Trustees of Proprietors' Fund, Note,	1600 00
Andover National Bank, Notes,	2300 00
Ware Sidewalk Fund,	1423 30
Water Bonds,	150000 00
Interest on Water Bonds,	1199 92
	<hr/>
	\$181523 22

## ASSETS.

Cash on hand, Town Funds,	\$29 68
Cash on hand Waterworks,	1231 56
Due from Cities and Towns,	375 06
Commonwealth, State Aid,	1400 00
Commonwealth, Military Aid,	421 00
Commonwealth, support of State Pauper,	88 72
Uncollected Taxes of 1890,	569 47
Uncollected Taxes of 1891,	3388 89
	<hr/>
	\$7504 38
Balance against the Town,	<hr/>
	\$174018 84

GEO. A. PARKER,

TREASURER.

# Waterworks.

*George A. Parker, Treasurer, in account with the Town of Andover.*

## DR.

Balance from last year,	\$6766 11
Service-pipe, Water Commissioners,	5342 22
Service-pipe, Town,	3000 00
Hydrants,	3300 00
Interest,	6227 60
	<hr/>
	\$24635 93

## CR.

Orders paid,	\$22889 37
Andover Savings Bank,	515 00
Andover National Bank,	1231 56
	<hr/>
	\$24635 93

Bonds Nos. 6 to 10 inclusive were redeemed Nov. 1, 1891.

## INTEREST ACCOUNT.

Balance from last year,	\$120 58
Town of Andover,	6075 00
Andover National Bank,	152 60
	<hr/>
	\$6348 18
 Paid interest on Water Bonds,	 \$6140 00
	<hr/>
	\$228 18

GEO. A. PARKER, TREASURER.

ANDOVER, Jan. 14, 1892.

## SINKING FUND.

Amount invested as per Report of 1891,	\$1062 65
Deposited in Andover Savings Bank, March 1891,	150 00
Interest, Andover Savings Bank,	27 00
Interest, Essex Savings Bank,	23 02
	<hr/>
	\$1262 67

GEORGE A. PARKER,

TREASURER SINKING FUND.

# Twentieth Annual Report

OF THE

## Trustees of Memorial Hall.

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The circulation of over twenty-one thousand volumes during the year, as reported by the librarian, together with the large and constant use of the newspapers and magazines of the reading-room, is sufficient evidence of the continued usefulness of Andover's free public library among all classes of the community.

The need of more shelf-room for the accommodation of new books has been met by the addition of three alcoves, with a capacity of about thirty-six hundred volumes.

The Superintendent of Public Schools and the Principal of the Punchard Free School have been asked to suggest titles of books helpful to scholars in connection with their current studies in literature or science, an arrangement which should tend to the selection of a certain proportion of volumes specially interesting and useful to the youth of our town, always the most numerous and important class of the patrons of a public library.

The Trustees are happy to report that the hour of our deliverance from the nuisance of dimly burning, ill-smelling kerosene lights, so long tolerated in the Library, is nigh at hand. The use of electricity in the alcoves for the last few months has proved so satisfactory that a contract has been authorized with the Electric Light Company for wiring the remainder of the building. The current expense of running the electric system, including a much needed light in the portico, is estimated at two hundred dollars per annum.

An article will be placed in the Town Warrant for the appropriation of that amount, and the Trustees respectfully but earnestly ask that the recommendation of the Selectmen be adopted by the Town Meeting. They feel sure that the introduction of electric light in Memorial Hall will commend itself to the judgment of all citizens as necessary, not only for the reduction of the fire risk, but for the protection of the eyes and lungs of those who frequent the Library in the evening.

Respectfully submitted,

JOSEPH W. SMITH,  
FRANCIS H. JOHNSON,  
JOHN CORNELL,  
E. KENDALL JENKINS,  
JAMES B. SMITH,  
JOSEPH A. SMART,  
C. C. CARPENTER,  
TRUSTEES.

ANDOVER, Jan. 19, 1892.

This certifies that we have examined the within account,  
and find the same correctly cast and properly vouched.

JAMES B. SMITH,

E. KENDALL JENKINS,

COMMITTEE OF ACCOUNTS.

ANDOVER, Jan. 28, 1892.

## Trustees of Memorial Hall.

*Town of Andover in Account with Joseph A. Smart, Treasurer of  
Memorial Hall.*

CR.

To balance from last year,	\$625 83
To cash received from	
Interest on Town notes,	\$1400 00
Dividend of Pacific Guano Company,	512 35
Fines and rents,	67 35
Dog-tax for 1891,	569 09
Interest from Andover Savings Bank,	83 84
Interest from City Institution for Savings,	3 01
	<hr/> \$2635 64
	\$3261 47

DR.

For Cash paid	
Charles N. L. Stone, paper,	\$1 50
Little, Brown, and Co., books,	334 36
John H. Chandler, papers,	37 20
John N. Cole, periodicals,	131 15
C. C. Carpenter, book,	75
Ballard Holt, salary,	720 00
James O. Bradshaw, salary,	61 00
H. M. Plympton, binding,	29 38
J. G. Roberts, binding,	20 21
Bradley and Woodruff, binding,	19 52
Benj. B. Tuttle, express,	7 45
<i>Amount carried forward,</i>	<hr/> \$1362 52



<i>Amount brought forward,</i>	\$1362 52
For cash paid	
John Cornell, coal,	164 50
Andover Electric Company, wiring,	35 00
George Saunders, work,	3 90
Smith and Manning, supplies,	5 78
Andover Electric Company, lighting,	5 37
Ballard Holt, supplies,	50 59
John R. Loring, work,	1 50
Andover Press, supplies,	33 50
Andover Waterworks, water,	2 50
Hardy and Cole, work,	128 92
T. A. Holt and Co., supplies,	30 98
William Wood, work,	4 58
J. A. Smart, postage and stationery,	3 00
Deposited in Broadway Savings Bank,	512 25
	<hr/>
	\$2344 99
Cash balance on hand,	916 48
	<hr/>
	\$3261 47

JOSEPH A. SMART,

TREASURER.

ANDOVER, Jan. 19, 1892.



BULLETIN No. 11.

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LIST OF ACCESSIONS,

1891.



## Report of Librarian.

*To the Trustees of the Memorial Hall Library:*

GENTLEMEN,—The Librarian's Report for the year ending December 31, 1891 is herewith respectfully presented.

### Comparative Statistics.

	1890.	1891.
Number of volumes added by purchase,	372	246
Number of volumes presented,	30	61
Volumes of periodicals bound,	47	56
Whole number of volumes in the Library,	11,738	12,101
Pamphlets presented during the year,	222	131
Whole number of pamphlets in the Library,	6668	6799
Number of days on which books were delivered,	248	250
Number of volumes delivered,	20,488	21,142
Largest daily issue,	235	264
Largest weekly issue,	597	622
Average daily issue,	$82\frac{8}{13}$	$84\frac{3}{8}$
Per-centage of juvenile and fiction circulated,	$82\frac{3}{8}$	$81\frac{1}{2}$
Notices to delinquent borrowers,	1004	1029
New names registered,	174	188
Whole number of names registered,	4898	5086
Number of volumes covered anew,	1379	1756
Number of volumes rebound,	163	160
Average daily attendance in Reading-room,	$84\frac{1}{2}$	86
Volumes delivered for use in Reading-room,	524	496
Amount of fines collected,	\$48 12	\$54 22
Amount received for use of books,	11 62	10 88
Amount received for sale of Catalogues (3),		2 25

## List of Donors.

	Vols.	Pamp.	Pap's.
Abbot Courant.		1	
Andover, Town of.	4		
Andover W. C. T. U.			12
Bancroft, Rev. C. F. P.	1		1
Boston Dental College.		1	
Briggs, N. A. Shaker Village, N. H.		12	
Brookline Public Library,		1	
Carpenter, Rev. C. C.		1	
Concord Free Public Library.		1	
Crunden, F. M. St. Louis, Mo.		1	
Fall River Public Library.		1	
Fearing, A. C., Jr. Boston, Mass.	1		
Good Health. Publishers.		12	
Greenhalge, Hon. F. F. Lowell, Mass. Map of the United States.			
Hopedale Public Library.		1	
Jenkins, E. K.		1	
Johnson, Rev. Francis H.			18
Kinley, David.		1	
Lawrence Public Library.		4	
McDonald, Hon. M. Washington, D. C.	1		
Malden Public Library.		1	
Mason, M. B. Boston, Mass.	5		
Massachusetts, Commonwealth of.	14	4	
Middleton, David.			48
Newbury Library. Chicago, Ill.		1	
Newton Free Public Library.		1	
Palmer, Rev. F.		1	
Peabody Institute. Peabody, Mass.		1	
Prescott, L. Lawrence, Mass.	1		
Pride, Rev. E. W.	1		
Rusk, Hon. J. M. Washington, D. C.	1		
Salem Public Library.		1	
Sanborn, Dr. E. M. E.		1	
Smith, J. W.	12		
Smith, Peter D.	5	1	
Smith, Peter D. Records of Co. H., 1st Mass. Heavy Artillery.	5		

Vols. Pamp. Pap's

Society for the Prevention of Cruelty to Animals,			
"Our Dumb Animals," for 1891.			12
Travellers' Record, 1891.			12
Tyer Rubber Company.		17	
United States.	10	79	
Vassar, J. G. Poughkeepsie, N.Y.	1		
Veasey, Hon. W. G. Washington, D. C.	1		
Watertown Public Library.		1	
Whitney, Charles C. Marshall, Minn.			52
Willey, Rev. W.	1		
Worcester Free Public Library.		1	
	<hr/> 64	<hr/> 148	<hr/> 155

#### Other Donations.

Bancroft, Rev. C. F. P. A small memorial of General Grant:  
A bit of crape from the Catafalque of the public funeral in  
New York, Aug. 8, 1855.

In the wear and tear of service, it has been found necessary to  
withdraw fifty-five volumes, which have been replaced by  
new copies.

One number of Boston Daily Journal, one number of English Illus-  
trated, one number of Good Housekeeping, one number of  
New England Homestead, and one number of Wide Awake  
have been taken from the Reading-room, and not returned.

One volume has been sent for by messenger.

BALLARD HOLT,

LIBRARIAN.

ANDOVER, Jan. 5, 1892.





## LIST OF BOOKS ADDED SINCE JAN. 1, 1891.

## A.

Abbott, Evelyn. Pericles and the Golden Days of Athens.	1463.16
Abbott, Mary. The Berkleys. A Story of Calcutta.	816.27
Adams, Henry. History of the United States of America during the Second Administrations of James Madison. 2 Vols.	1432.7-9
Aldrich, Thomas B. The Sister's Tragedy, with other Poems.	336.16
Allen, James L. Flute and Violin, and other Kentucky Tales and Romances.	674.16
American Agriculturist. Vol. 49. 1890.	1351.18
American Naturalist. Vol. 24. 1890.	1423.5
Ammen, Daniel. The Old Navy and the New.	1451.4
Anderson, E. P. <i>Editor</i> . The best Letters of Madame de Sévigné.	1468.2
Andover Directory, 1891.	Ref.
Andover Review. Vol. 14-15. 1890-91.	1412 2-3
Andover Townsman. Vol. 3-4. 1890-1891.	Ref.
Arnold, Sir Edwin. The Light of the World ; or, the Great Consummation.	336.15
Atlantic Monthly. Vol. 66-67. 1890-91.	1313.6-7

## B.

Bacon, Alice M. Japanese Girls and Women.	1462.15
Baker, Walter, and Co. The Chocolate Plant and its Products.	1711.1
Balch, F. H. The Bridge of the Gods.	884.23
Balzac, Honoré de. Ursula.	853.21
Bancroft, Hubert H. History of the Pacific States of North America :	
Vol. 24. History of California. Vol. 7. 1860-1890.	1233.9
Vol. 25. Nevado, Colorado, and Wyoming. 1840-1888.	1233.10
Vol. 31. Washington, Idaho, and Montana. 1845-1889.	1234.2
Vol. 38. Essays and Miscellany.	1234.9
Vol. 39. Literary Industries.	1234.10
Banks, Louis A. White Slaves ; or, the Oppressors of the worthy Poor.	1265.3
Barr, Amelia E. She loved a Sailor.	852.26
Barrie, J. M. Auld Light Idyls.	853.14
Bates, Arlo. A Book o' nine Tales.	728.21
Bazan, Emilia P. A Christian Woman.	853.15
Bernhard Marie. The Rector of St. Luke's.	722.22
Besant, Walter. All Sorts and Conditions of Men.	1923.1

Bessey, Charles E.	Botany for High Schools and Colleges.	421.24
Billroth, Theodore.	The Care of the Sick at Home and in the Hospital. A Hand-book for Families and Nurses.	1166.1
Bisland, Elizabeth.	A flying Trip around the World.	1454.12
Blackwood's Edinburgh Magazine.	Vol. 148. 1890.	1434.14
	Vol. 149. 1891.	1435.1
Bloede, Gertrude (Stuart Sterne).	The Story of two Lives.	674.19
Boldrewood, Rolf	A Colonial Reformer.	874.18
Booth, Eliza G. von.	The Laird of Cockpen.	674.22
Bore, Henry.	The Story of the Invention of Steel Pens.	312.24
Bouton, John B.	The enchanted.	722.16
Boyle, Eleanor V. (E. V. B.)	Days and Hours in a Garden.	1217.17
Brooke, Magdalen.	The Story of Eleanor Lambert. [The "Un- known Library."]	862.20
Brooks, Noah.	The Boy Settlers.	1915.1
Buckley, James M.	The Midnight Sun; the Tzar and the Nihilist; Adventures and Observations in Norway, Sweden, and Russia.	1431.6
Bunker Hill Monument Association.	Proceedings, June 17, 1891, with an Address by F. W. Lincoln.	441.11
Bunner, Henry C.	Zadoc Pine, and other Stories.	884.21

## C.

Campbell, Helen.	Anne Bradstreet and her Time.	1462.14
Carpenter, Edmund J.	A Woman of Shawmut: a Romance of Colonial Times.	759.7
Century Magazine.	Vol. 19-20. 1890-91.	1336.9-10
Cheever, George B. and Elizabeth W.	Memorabilia of.	1462.18
Chittenden, L. E.	Recollections of President Lincoln and his Administration.	111.18
Choyce, James.	The Log of a Jack Tar; or, the Life of James Choyce, Master Mariner; with O'Brien's Captivity in France. Edited by V. Lovett Cameron.	1456.10
Church John.	Musical Visitor. Vol. 19. 1890.	1354.15
Coelho, J. G. G. (Julio Diniz).	The Fidalgo's of Casa Mourisca.	874.23
Collins, E. Leuty.	Hadesseh; or, from Captivity to the Persian Throne.	722.20
Collis, Septima M.	A Woman's Trip to Alaska.	1216.20
Connelly, Emma M.	The Story of Kentucky. [The Story of the States.]	1472.3
Contemporary Review.	Vol. 58-59. 1890-91.	1126.2-3
Cook, M. B.	Japan. A Sailor's Visit to the Island Empire.	1454.5
Cooke, Rose Terry.	Huckleberries gathered from New England Hills.	1917.1

Coppée, Francois. Ten Tales.	759.1
Cornhill Magazine. New Series. Vol. 15-16. 1890-91.	1134.15-16
Cozzens, Samuel W. The Ancient Cibola. The Marvellous Country ; or, Three Years in Arizona and New Mexico.	1453.18
Crawford, F. Marion. Khaled. A Tale of Arabia.	746.24
Crosby, Margaret. A Violin Obligato, and other Stories.	728.23
Cundall, Frank. The Landscape and Pastoral Painters of Holland : Ruisdale, Hobbema, Cuijp, Potter. [Illustrated Biographies of the great Artists.]	413.20

## D.

Daniels, Cora L. Sardia ; a Story of Love.	884.18
Davis, Harriet R. Gilbert Elgar's Son.	869.16
Davis, Richard H. Gallegher, and other Stories.	884.22
Degen, Albert von. A Mystery of the Campagna, and A Shadow on a Wave.	862.21
Dennison, Mary A. If she will, she will.	853.16
Dodge, Mary A. (Gail Hamilton). A Washington Bible-class.	1263.6
DuBois, Constance G. Martha Corey. A Tale of the Salem Witchcraft.	862.18
Dumas, Alexandre, Memoirs of. Selected and translated by A. F. Davidson. 2 Vols.	1462.12-13
Duncan, Sara J. An American Girl in London.	1453.20

## E.

Earle, Alice T. The Sabbath in Puritan New England.	1742.1
Eggleston, Edward. The Faith Doctor. A Story of New York.	1914.1
Eggleston, George C., and Marbourg, Dolores. Juggernaut : a veiled Record.	884.20
Elliot, Sarah B. Jerry. A Novel.	853.17
English Illustrated Magazine. 1890-91.	1314.11
Erskine, Charles. Twenty Years before the Mast.	869-20
Everett, William. Changing Base ; or, What Edward Rice learnt at School.	869.26
Thine, not mine : a Sequel to "Changing Base."	759.2

## F.

Fawcett, Edgar. A New York Family. A Novel.	722.15
Finck, Henry T. Spain and Morocco : Studies in Social Color.	1454.7
Fiske, Amos K. Beyond the Bourne : Reports of a Traveller re- turned from the Undiscovered Country.	728.24
Fiske, John. The American Revolution. 2 Vols.	1226.7-8
Forest, E. R. Eight Days.	674.23

Forum, The. Vol. 10-11. 1890-91.	1123.10-11
Frazar, Douglas. Log of the Maryland; or, Adventures at Sea.	874.17
French, Alice (Octave Thanet). Otto the Knight, and other Trans-Mississippi Stories.	878.33
We all.	1922.1
From Timber to Town. Down in Egypt. By an early Settler.	759.5
Furniss, Grace L. A Box of Monkeys, and other Farce-Comedies.	188.27

## G.

Gage, William L. A Leisurely Journey.	1454.3
Gerard E. and D. A Sensitive Plant.	869.9
Gibson, William H. Strolls by Starlight and Sunshine.	1251.20
Gladden, Washington. Who wrote the Bible?	1261.13
Good Words. 1890.	1316.4
Gordon, Julien, <i>pseud.</i> A Successful Man.	728.20
Graham, William. Socialism new and old. [International Scientific Series.]	1161.8
Grant, John B. Our Common Birds, and how to know them.	1274.3
Grant, Robert. Mrs. Harold Stagg. A Novel.	853.20
Graphic, The. Vol. 41-42. London, 1890.	*282.9-10
Green, Evelyn E. The Secret of the old House. A Story for Children.	769.22
Grove, Sir George. <i>Editor.</i> A Dictionary of Music and Musicians. 4 Vols.	*586.1-4
Index volume.	*586.5
Gunsaulus, Frank W. Monk and Knight. An Historical Study in Fiction. 2 Vols.	722.18-19
Guthrie, Thomas A. (F. Anstey). Tourmalin's Time Cheques.	759.4

## H.

Haggard, H. Rider. Eric Brighteyes.	678.21
Haggard, H. Rider, and Lang, Andrew. The World's Desire. A Novel.	678.20
Hale, Edward E. Four and Five. [Ten Times One Series.]	759.7
The Life of Christopher Columbus.	1752.1
Hale, Edward E. <i>Editor.</i> Autobiography, Diary, and Correspondence.	1752.2
Hall, William W. Journal of Health. Vol. 37. 1890.	1016.18
Harcourt, L. F. V. Achievements in Engineering during the last Half Century.	1167.1
Hardy, Arthur S. Life and Letters of Joseph Hardy Neesima.	1752.3
Harper's New Monthly Magazine. Vol. 81-82. 2 Vols. 1890-91.	1333.8-9
Harper's Weekly. 2 Vols. 1890-91.	*571.14-15
Harper's Young People. Vol. 11-12. 1890-91.	682.10-11

Harris, Joel C. Flower de Hundred. The Story of a Virginia Plantation.	769.18
Hart, Mabel. Two English Girls.	869.27
Harte, Francis B. A Sappho of Green Springs, and other Stories.	867.32
Harvey, Henry. With Essex in Ireland.	1454.11
Hawker, Mary (Lanoe Falconer). Mademoiselle Ixe.	869.23
Hayes, R. B., and others. Life and Reminiscences of General William T. Sherman.	1462.17
Higginson, T. W. Life of Francis Higginson. [Makers of America.]	1278.5
Holloway, Charlotte M. A Story of Five.	869.8
Home-Maker, The. Vol. 5-6. 1890-91. 2 Vols.	1356.5-6
Hopkins, Tighe. The Nugents of Carriconna. An Irish Story.	769.23
Hosie, Alexander. Three Years in Western China: a Narrative of Three Journeys in Tsu-ch'nan, Knei-chou, and Yün-nan.	1431.8
Howland, E. P. A Tale of Home and War.	1748.1
Huguenin, Adèle. A Question of Love. A Story of Switzerland.	728.22
Hunter, Sir William W. The Earl of Mayo. [The Rulers of India.]	1468.13
Hutchinson, H. N. The Autobiography of the Earth. A popular Account of Geological History.	417.30
Hutchinson, Y. R. Hal Hungerford; or, the Adventures of a Boy Emigrant.	769.21
Huxley, T. H., and Martin, H. N. A Course of Elementary Instruction in Practical Biology.	1164.1

## I.

Imbert de Saint-Armand, Arthur Leon, <i>Baron</i> . Marie Louise and the Invasion of 1814.	1228.12
Marie Louise, the Island of Elba, and the Hundred Days.	1228.13
Ingelow, Jean. Quite another Story.	769.25

## J.

Jameson, James S. The Story of the Rear Column of the Emin Pasha Relief Expedition.	1431.7
Janvier, J. A. Stories of old New Spain.	862.19
Jerome, Jerome K. Diary of a Pilgrimage.	1454.10
Told after Supper.	885.25
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Johnston, Richard M. The Primes and their Neighbors. Ten Tales of Middle Georgia.	884.17
Jókai, Maurus. There is no Devil. A Romance.	674.17

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Law, James.	The Farmers Veterinary Adviser.	1113.1
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Lee, Mary C.	In the Cheering-up Business.	869.15
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The Story of Hen Thorir.	
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Royal Edinburgh: her Saints, Kings, Prophets, and Poets.	1227.6

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Taylor, George B. Man's Friend, the Dog.	1758.1
Tellet, Roy. A Draught of Lethe: the Romance of an Artist.	869.28
Thomas, Chauncey. The Crystal Button; or, Adventures of Paul Prognosis in the Forty-ninth Century.	869.11
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Weber, Alice. Angela. A Sketch.	869.18
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Wilde, Oscar. Intentions.	1236.16
Wilkins, Mary C. A New England Nun, and other Stories.	869.29
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## Y.

Yonge, Charlotte M. Two Penniless Princesses.	736.22
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## Schedule of Town Property.

Town House, fixtures, and furniture,	\$22000 00
Land,	4000 00
School-house property,	95000 00
Punchard School Fund,	75200 00
Memorial Hall and Land,	28500 00
Memorial Hall permanent Fund,	20000 00
Memorial Hall Library, John Byers Fund,	5000 00
Memorial Hall Library and Furniture,	8000 00
Town Farm and buildings,	12000 00
Personal property at Town Farm,	3516 00
Two Engine-houses and Shed,	12000 00
Two Steam Fire-engines and apparatus,	10000 00
One Hand-engine and apparatus,	200 00
One Hook and Ladder Truck,	500 00
Six Horses,	1000 00
Stone Breaker and Engine,	2400 00
Carts, Harnesses, and Tools,	500 00
Waterworks Property,	155000 00
Six Reservoirs,	2000 00
Indian Ridge Land,	4000 00
Spring Grove Cemetery and Receiving Tomb,	7000 00
Hay Scales,	350 00
Safe in Town House,	450 00
Weights and measures,	325 00
Total,	\$468,941 00



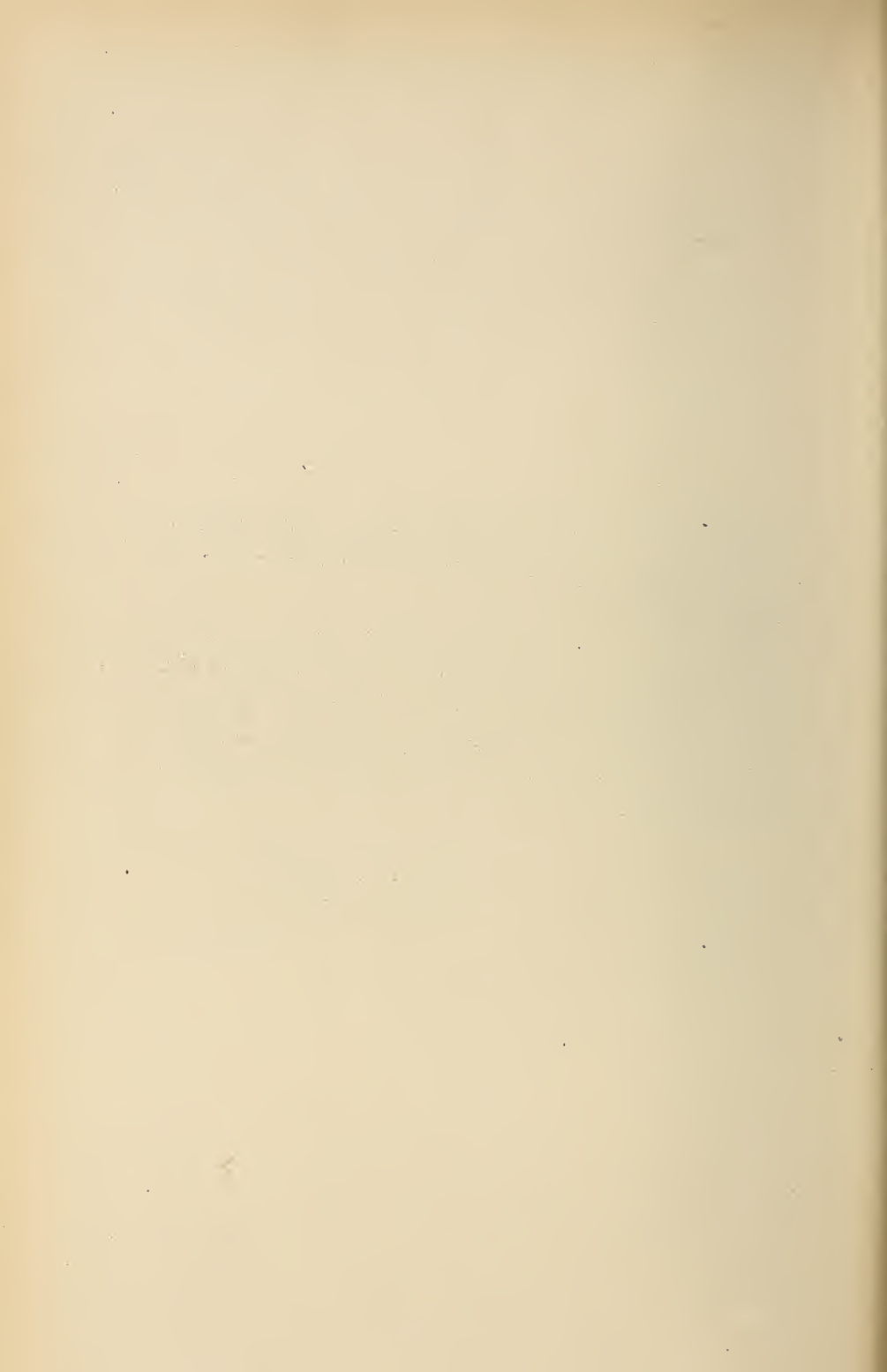
We have examined the accounts, of the Town Officers, and find them correct, with satisfactory vouchers for all payments made.

The Town Treasurer has on deposit in the Andover National Bank twelve hundred and thirty-one dollars and fifty-six cents (\$1231.56) to the credit of the water loan, and twenty-nine dollars and sixty-eight cents (\$29.68) town funds; total, twelve hundred and sixty-one dollars and twenty-four cents (\$1261.24).

HOWELL F. WILSON,  
ALBERT S. MANNING,  
BARNETT ROGERS,

AUDITORS.

ANDOVER, MASS., Jan. 29, 1892.



## Town Warrant.

ESSEX, SS. To either of the Constables of the Town of  
Andover. GREETING :

In the name of the Commonwealth of Massachusetts, you are hereby directed to notify and warn the inhabitants of the Town of Andover,—and of the Town of North Andover, so far as relates to the election of a Board of five Trustees of the Punchard Free School,—qualified to vote in town affairs, to meet and assemble at the Town House in said Andover, on Monday, the Seventh day of March, 1892, at Nine o'clock, A.M., to act on the following Articles, namely :

Article 1st. — To choose a Moderator to preside at said meeting.

Article 2d. — To choose Town Clerk, Treasurer, Collector of Taxes, One member of the Board of Selectmen, Assessors, and Overseers of the Poor for three years, a Board of Health or a Health Officer, Two members of the School Committee for two years, and Three members for three years, One Water Commissioner for three years, Five Trustees of the Punchard Free School for three years, One Trustee of the

Memorial Hall for seven years, one or more Auditors of Accounts, Constables, Fence Viewers, Field Drivers, Surveyors of Lumber, Pound Keeper, and Committee on Street Lighting.

Article 3d. — To take action on the following question :  
 “ Shall Licenses be granted for the Sale of Intoxicating Liquors in this Town ? ”

Article 4th. — To determine the disposition of unexpended appropriations.

Article 5th. — To determine what sums of money shall be appropriated for Schools, School-houses, School Books and Supplies, Highways and Bridges, Sidewalks, Removing Snow, Horses and Drivers, Shade Trees, Town Officers, Town House, Hay Scales, Fire Department, Insurance, Street Lighting, Printing and Stationery, Spring Grove Cemetery, Memorial Hall, Memorial Day, State Aid, Military Aid, Waterworks, Interest on Bonds, Funds, and Notes, State Tax, County Tax, Discount on Taxes, Abatement of Taxes, Almshouse Expenses, Relief out of Almshouse, Repairs on Almshouse, and Miscellaneous.

Article 6th. — To authorize the Treasurer to hire money for the use of the Town when necessary, upon the approval of the Selectmen.

Article 7th. — To determine the method of collecting the Taxes the ensuing year.



Article 8th. — To fix the pay of the Firemen for the ensuing year.

Article 9th. — To see if the Town will revise and accept the List of names for Jurors, prepared and posted by the Selectmen.

Article 10th. — To hear and act on the Reports of the Selectmen and other Town Officers.

Article 11th. — To see if the Town will instruct the Water Commissioners to release to Abby H. Sawyer a small portion of the land taken for the Reservoir, as shown by a plan prepared by John E. Smith, and also grant to said Sawyer a right of way over the Reservoir lot to the public road.

Article 12th. — To hear the Report of the Water Commissioners on the proposed extension of Water-pipe in the Osgood and Bailey Districts, and act thereon.

Article 13th. — To see if the Town will authorize and instruct the Water Commissioners to extend the line of Water-pipe from its present terminus in Main Street, in Frye Village, along Main and Union Streets, as recommended by said Commissioners in their Report, and appropriate fifteen hundred dollars (\$1500) therefor.

Article 14th. — To see if the Town will authorize and instruct the Water Commissioners to extend the line of Water-pipe from its present terminus in Elm Street along

said Street to a point therein near M. C. Andrews barn, as recommended by said Commissioners in their Report, and appropriate thirty-eight hundred dollars (\$3800) therefor.

Article 15th.—To see if the Town will authorize and instruct the Street Lighting Committee to place incandescent lights on the street leading by the Free Church, and appropriate a sum of money therefor, on petition of Joseph W. Smith and others.

Article 16th.—To see if the Town will authorize and instruct the Street Lighting Committee to place an incandescent light at the corner of Chapel Avenue and Salem Street, and appropriate a sum of money therefor, on petition of Wm. B. Graves and others.

Article 17th.—To see if the Town will vote to repay to Marcus M. Holt twelve dollars (\$12), paid by him for a Street Lamp in 1874. On petition of twelve legal voters.

Article 18th.—To see if the Town will vote to build a Sidewalk on the south side of Elm Street from the house of Charles O. Cummings to William S. Lawson's house, and appropriate a sum of money therefor, on petition of thirteen legal voters.

Article 19th.—To see if the Town will appoint a Committee to consider and investigate the subject of providing a Public Park in Andover, and report thereon, with recommendations as to desirable locations, and cost of same, at

some future town meeting, on petition of John N. Cole and others.

Article 20th.—To determine the amount of money to be raised by taxation the ensuing year.

Article 21st.—To transact any other business that may legally come before the meeting.

Hereof fail not, and make due return of this Warrant, with your doings thereon, to the Town Clerk, at the time and place of meeting.

Given under our hands, at Andover, this Sixteenth day of February, in the year one thousand eight hundred and ninety-two.

PETER D. SMITH,	}	<i>Selectmen of Andover.</i>
SAM'L H. BOUTWELL,		
JOHN S. STARK,		

A true Copy. — Attest:

GEORGE F. CHEEVER,

Constable of Andover.



## Appropriations, 1892.

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The following Appropriations are recommended for the ensuing year.

Schools,	\$15000 00
School-Houses,	19500 00
School-Books and Supplies,	1000 00
Highways and Bridges,	10000 00
Sidewalks,	1200 00
Removing Snow,	800 00
Town Officers,	5000 00
Town House,	1500 00
Memorial Hall,	175 00
Waterworks,	22050 00
Fire Department,	3000 00
Horses and Drivers,	3000 00
Street Lighting,	4500 00
Printing and Stationery,	1000 00
Spring Grove Cemetery,	200 00
Memorial Day,	200 00
State Aid,	1400 00
Military Aid,	900 00
Expenses of Almshouse,	4000 00
Relief out of Almshouse,	4500 00
Repairs on Almshouse,	1000 00
State Tax,	6000 00
County Tax,	6000 00
Discount on Taxes,	3000 00
Abatement of Taxes,	300 00
Interest on Notes, Funds, and Bonds,	8500 00
Insurance,	300 00
Hay Scales,	50 00
Miscellaneous,	1500 00
Total,	\$125575 00

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TOWN OF ANDOVER.

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THIRD

ANNUAL REPORT

OF THE

WATER COMMISSIONERS,

FOR THE FINANCIAL YEAR ENDING

JANUARY 12, 1892.

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**ANDOVER:**  
THE ANDOVER PRESS, PRINTERS.  
**1892.**





# REPORT.

*To the Citizens of Andover :*

Your Water Commissioners herewith submit their third annual report for the year ending January 12th, 1892.

In presenting this report we feel gratified at the very favorable exhibit of your system, and that the prospects are so flattering for its future growth and prosperity.

The receipts from water rates show an increase of over 70 per cent above last year's, and while it is not expected that this phenomenal growth will continue it is but reasonable to expect a steady gain, from year to year, in the revenue, until all on the lines of pipe become water takers.

The following analysis of the water by the State Board of Health will be of interest. In comparison with one in 1885, the quality is even better than at that time.

## WATER ANALYSIS.

(Parts in 100,000.)

DATE OF		APPEARANCE.			ODOR.		RESIDUE ON EVAPORATION			
Collec- tion.	Exami- nation.	Tur- bidity	Sedi- ment	Color	Co.d.	Hot.	Total	Loss on Ignition	Fixed	Change on Ignition
Nov. 21, 1891.	Nov. 24, 1891.	Very slight	very slight	0.08	None	Very faint or none	3.35	1.70	1.65	

AMMONIA.				Chlo- rine.	NITROGEN AS		Hard- ness.
Free	Albuminoid.				Nitrates	Nitrites	
	Total	In Solution	In Sus- pension				
.0004	.0136	.0080	.0056	.33	.0030	.0000	1.27

Sample taken from a tap, 60 feet of plain iron pipe between tap and pump, collected with pump running. Haggett's pond unusually low, being 14 inches below high water. Collected by J. E. Smith.

The expenditures for the year have been very limited and embrace only such as seemed actually necessary to keep the works in proper shape and condition.

No appropriation was made last year for extension of street lines, but we deemed it advisable to use the proceeds of material sold to make a few where the necessity for such seemed most urgent. A new line was laid on Locke Street from Main to School, the lines extended on Washington and Walnut Avenues and on Tewksbury Street in Ballardvale.

The water was drawn from the reservoir last spring, and the basin thoroughly cleaned and flushed. Judging from the clean appearance this time, it will not need it again for several years. No defect whatever in the structure, and everything about it was in A 1 condition.

Number of applications received as per last report,	329
Number received this year,	155
Total to date,	<u>484</u>

The cost for service pipe is as follows:

Balance last report,	\$4,179 02
Cost this year,	5,248 16
Total to date,	<u>\$9,427 18</u>

Amount collected and due from owners of buildings,	\$3,364 38
Total cost to Town to date,	\$6,062 80

There is now due from different parties about \$300.

This very important work thus far has been done by Mr. George Goodhue and has been very satisfactory in every respect. It is very probable that his services will be secured another year.

Amount received from water rates and paid to

Treasurer,	\$5,349 32
This does not include any money received from town.	
Increase of water rates over last year,	2,242 94
Water rates over operating expenses,	1,949 39
Maintenance account,	3,399 93

We have made during the year final settlements and paid all bills belonging to the construction account with the single exception of the one for land taken for reservoir purposes ; this we have made every effort to settle, but without success, and whatever may be the ultimate result, we are conscious that it is from no neglect or indifference on our part that this, like all the others, has not reached a peaceable solution.

We have heretofore refrained from making recommendations or asking for an appropriation to extend street lines, preferring rather to wait until the system, as originally intended should be completed and then the need of such could be more easily determined. It is now very evident that a small sum could be judiciously expended in this direction and we recommend that the Town appropriate \$1,000 for this purpose. We also recommend that there be appropriated, \$3500 for maintenance, \$1000 for service pipe, \$1500 for reservoir, and \$150 for sinking fund.

The Superintendent in his report has called our attention to the necessity of a new boiler at the pumping station. We were already well aware since the works were in running order that a station situated similar to Andover should be provided with two boilers, in fact Mr. Blake recommended two in the beginning but only one was bought as a matter of economy. It is well understood that any boiler is liable to accident and when dependance is placed entirely on one to supply this Town with water it is a little risky, to say the least, and we do not think it wise to allow it to exist any longer. We therefore would recommend that the Town appropriate the sum of \$2,100 for this purpose.

The works have run very smoothly and much credit is due the Superintendent for the ability and good judgment exercised in the many difficult matters with which he has had to deal. We refer you to his report in which you will find details of the management of the system and much other useful information.

At the annual meeting held March 2, 1891, Articles 20, 21, and 22, all relating to extension of lines of water pipe

were by vote of the Town referred to the Board of Water Commissioners, they to report thereon. We submit the following :

ART. 20. "To see if the town will authorize and instruct the Board of Water Commissioners to extend the line of water pipe from its present terminus in Frye Village along Main and Union Streets to the boundary line between Andover and Lawrence and appropriate a sum of money therefor." The distance from its present terminus near the Ink Factory to the boundary line, following Main and Union Streets, is 1800 feet. A six inch pipe would answer all requirements for domestic uses and fire protection. The estimated cost would not exceed \$1,500. We are of the opinion that this line should be extended and recommend that the Town appropriate the above sum for that purpose.

ART. 21. "To see if the Town will authorize and instruct the Board of Water Commissioners to extend the line of water pipe from its present terminus on Elm Street along said street to a point therein near M. C. Andrews' barn, and appropriate a sum of money therefor." The present terminus of this line is near the junction of Washington Avenue, with this street the amount of pipe called for in this article is about 2400 feet of 6-inch pipe, and the cost including an estimate for rock would be not far from \$3,800. Nearly, if not all on the line would be water takers, and one would require a large amount. It appears to us that the request for fire protection and water for domestic and other purposes is reasonable and worthy of consideration. There is no reason why this extension should not be made unless it be the cost and that is hardly sufficient to justify the Town in refusing it. We believe it should be done and recommend that the Town appropriate a sufficient sum for that purpose.

ART. 22. "To see if the Town will authorize and instruct the Board of Water Commissioners to extend the line of water pipe from the Pumping Station along the highway to the premises of Charles I. Hood in the Bailey District, and appropriate a sum of money therefor." This extension would

commence on the line of pipe near the Pumping Station following the Lowell road to the corner near Bellevue Grove, then by the highway on the west side of the Pond crossing the Lowell and Lawrence railroad near the house of the late Jedediah Burt and following the highway past the Bardwell Place to the top of Hardy's Hill, so called, to the junction of streets near Mrs. Wm. Hardy's, a distance of 8702 feet from place of beginning. In order to furnish fire protection and allow for possible connections that might hereafter be made, an 8-inch pipe would be required for this part of the line, from there the line would follow the road leading past the Bailey schoolhouse to the residence of Mr. Hood. A 6-inch pipe from Mrs. Hardy's to this point would be ample for all purposes. The distance is 7812 feet, making the whole distance, 16,514 feet or nearly 3 1-8 miles.

#### COST.

The cost as estimated from the expense to put in the present system, would be as follows:

323.4 tons pipe, at \$30.00 per ton,	\$9702 00
4.1 tons specials at \$56.00 per ton,	229 60
Laying 8702 feet, 8-inch pipe at 29 cents,	2523 58
Laying 7812 feet, 6-inch pipe at 25 cents,	1953 00
7 Hydrants at \$35.00 each all set,	245 00
6 8-inch Gates at \$30.00 each all set,	150 00
4 6-inch Gates at \$20.00 each all set,	80 00
Estimate of, at least, 600 yards of rock at \$3.50 per yard,	2100 00
Making total cost of	<u>\$16,983 18</u>

#### THE ELEVATIONS ARE:

High water in Reservoir,	308 feet above mean level.
Pumping Station,	117 feet above mean level.
Wall at Mrs. Hardy's	225 feet above mean level.
At C. I. Hood's,	259 feet or an elevation of
the water in Reservoir of nearly 50 feet above Mr. Hood's.	

In regard to the expense of making this extension being partly borne by Mr. Hood, as might be inferred from the remarks of his counsel, Mr. Lilley, at our town meeting, we simply say, that both Mr. Hood and Mr. Lilley have been requested to make some definite statement or proposition in regard to this matter, but we have received nothing from either of them that would, in any way, indicate their willingness to assist, or bear any part of the cost, whatever. It is hard to estimate the annual income; we are unable to find any along the line who wish to take the water if the pipe was laid, possibly there might be two or three who would do so in the future, but it is very evident that all the income at present would come from Mr. Hood. We are therefore unanimous in our opinion that the Town ought not to make this extension.

JOHN H. FLINT, J. P. BUTTERFIELD, FELIX G. HAYNES,	}	<i>Board of Water Commissioners.</i>
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## SINKING FUND.

The Sinking Fund Commissioners present the following report:

To balance Jan. 12, 1891, . . .	\$1,062 65
Received from Town of Andover, . .	150 00
Received from interest, . . .	50 02
	<hr/>
	\$1,262 67

Invested as follows :

Deposited in Andover Savings Bank .	\$733 40
Deposited in Essex Savings Bank, .	529 27
	<hr/>
	\$1,262 67

JOHN H. FLINT,	}	<i>Water Loan</i>
J. P. BUTTERFIELD,		<i>Sinking Fund</i>
FELIX G. HAYNES,		<i>Commissioners.</i>

## FINANCIAL STATEMENT.

## RECEIPTS.

Town of Andover, lowering pipe on Marland St.,	\$8 82
Service pipe . . . . .	2,682 43
Water rates, . . . . .	5,349 32
C. H. Eglee, repairing leaks, . . . . .	88 40
Camden Iron Works, pipe, . . . . .	200 44
C. H. Flint, lumber and ropes, . . . . .	3 91
M. T. Walsh, pipe fixture . . . . .	15
W. W. Cropley, repairing meter, . . . . .	3 10
North Eastern Water Works, pipe, . . . . .	163 63
Charles L. Bailey, rope, . . . . .	1 50
J. E. Smith, jute, . . . . .	30
Tyer Rubber Co., fire pipe, . . . . .	111 55
Smith & Dove Mfg. Co., fire pipe, . . . . .	1,371 49
Turning on water, . . . . .	4 00
Gutterson & Gould, scrap iron, . . . . .	18 05
Milton Water Co., pipe and valve, . . . . .	549 79
Wm. Phelps, rope, . . . . .	50
Abbot Academy, cracked pipe, . . . . .	2 38
Hingham Water Co., pipe, . . . . .	131 78
	<hr/>
	\$10,691 54
Paid Town Treasurer, pipe account, \$5,342 22	

## APPROVED BILLS.

## OFFICE FIXTURES.

Henry McLawlin, lock and keys, . . . . .	\$0 30
Smith & Manning, mat and duster, . . . . .	2 25
	<hr/>
	\$2 55



## MAINTENANCE.

John E. Smith, salary, . . . . .	929 48
F. A. Andrews, salary, . . . . .	734 81
National Meter Co., meter, . . . . .	2 40
Henry McLawlin, hardware, . . . . .	10 29
John N. Cole, stationery, . . . . .	3 05
Andover Press, printing bills, . . . . .	23 00
Brown's Express, express on meter, . . . . .	60
Tyer Rubber Co., oil, . . . . .	1 20
Thomas Leslie, labor, . . . . .	2 75
A. Marland, P.M., box rent, stamps and envelopes, . . . . .	35 90
Smith & Manning, supplies, . . . . .	6 56
George Goodwin, labor, . . . . .	50
Wm. H. Higgins, horse hire, . . . . .	221 50
Peter Riley, labor, . . . . .	468 75
Geo. W. Chandler, carting iron pipe, . . . . .	15 50
Frank McCuskie, labor, . . . . .	4 25
H. K. Flint, labor and wood, . . . . .	15 60
John H. Chandler, stationery, . . . . .	3 75
C. F. Smith, labor, . . . . .	5 00
Town of Andover, labor and gravel, . . . . .	20 20
Western Union Telegraph Co., messages, . . . . .	64
F. G. Chandler, labor, . . . . .	3 00
H. P. Noyes; supplies, . . . . .	1 25
Edward Snowden, labor, . . . . .	4 00
B. B. Tuttle, jobbing, . . . . .	1 75
John Connolly, labor, . . . . .	1 50
Charles Shattuck, gravel, . . . . .	3 00
C. H. Sprague & Son, coal, . . . . .	193 20
C. L. Bailey, carting coal, . . . . .	2 28
Hardy & Cole, planks, . . . . .	2 69
Erwin Pike, supplies, . . . . .	50
James A. Treat, packing, . . . . .	1 38
Boston Belting Co., gaskets . . . . .	1 60
Boston & Maine R. R., freight . . . . .	89 37

*Carried forward,*\$2,811 25

<i>Brought forward,</i>	\$2,811 25
Joseph Bourdelais, carting coal, . . . .	44 94 .
Anderson & Bowman, blacksmith work . . . .	3 35
J. Albert Walker & Co., coal, . . . . .	169 39
George Goodhue, repairing leaks and cleaning reservoir, . . . . .	265 97
John L. Smith, horse hire, . . . . .	87 00
Geo. F. Blake Mfg. Co., valve springs, . . . .	6 40
Edward Byrne, labor, . . . . .	1 13
Lawrence Hardware Co., hardware, . . . . .	30
J. A. Burt, labor, . . . . .	2 00
John Cornell, wood, . . . . .	1 75
Patrick McMullen, labor, . . . . .	1 50
Perrin Seamans & Co., oil and can, . . . . .	3 60
Peter Smith, printing, . . . . .	35
F. D. Lisle, stationery, . . . . .	1 00
	<hr/>
	\$3,399 93

## BUILDINGS AT PUMPING STATION.

Henry P. Noyes, cloth, . . . . .	\$2 66
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## CONSTRUCTION EXPENSES.

Francis Doane & Co., portfolio, . . . . .	9 75
P. M. Blake, engineering, . . . . .	297 05
	<hr/>
	\$306 80

## TOOLS AT OFFICE.

Anderson & Bowman, labor and tools, . . . .	2 00
Charles A. Boone, painting, . . . . .	1 50
Erwin Pike, pipe, . . . . .	63
	<hr/>
	\$4 13

## TOOLS AT PUMPING STATION.

Walworth Mfg. Co., ratchet, . . . . .	4 20
F. J. Scott, tools, . . . . .	4 73
Lawrence Hardware Co., tools, . . . . .	2 70
H. McLawlin, hardware, . . . . .	17
Anderson & Bowman, labor, . . . . .	4 85
	<hr/>
	\$16 65

## WATER AND LAND DAMAGE.

S. G. Bailey, land damages, . . . . .	\$10 00
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## SERVICE PIPE.

George Goodhue, laying pipe, . . . . .	\$3,673 85
Daniel Driscoll, labor, . . . . .	1 50
George Goodwin, labor, . . . . .	1 50
Prtrick Mullen, labor, . . . . .	1 50
Brown's Express, express, . . . . .	2 40
B. B. Tuttle, jobbing, . . . . .	50
Hersey Mfg. Co., meter, . . . . .	13 00
J. L. Smith, horse hire, . . . . .	9 00
Thomas Leslie, labor, . . . . .	1 50
J. A. O'Brien, labor, . . . . .	1 50
Wm. H. Higgins, horse hire, . . . . .	21 00
Erwin Pike, pipe fittings, . . . . .	65
Boston & Maine Railroad, freight on meters, . . . . .	1 00
Peter Riley, labor, . . . . .	75
Town of Andover, gravel, . . . . .	1 20
National Meter Co., meters, . . . . .	192 00
Thompson Meter Co., meters, . . . . .	305 95
J. E. Smith, salary, . . . . .	274 20
H. McLawlin, brimstone, . . . . .	10
Edward Byrne, labor, . . . . .	2 25
	<hr/>
	\$4,505 35

## PIPE DISTRIBUTION.

Camden Iron Works, pipe, . . . . .	\$1,542 45
Andover Press, printing circulars, . . . . .	1 00
Charles H. Eglee, expenses of horses and foreman, . . . . .	51 84
Brown's Express, express on pipe, . . . . .	50
Boston & Maine Railroad, freight on pipe, . . . . .	78 34
J. E. Smith, salary, . . . . .	102 16
Wm. H. Higgins, horse hire, . . . . .	9 00
Geo. W. Chandler, carting pipe, . . . . .	41 25
B. B. Tuttle, jobbing, . . . . .	24 61
Ludlow Valve Mfg. Co., valves, . . . . .	81 75
Davis & Farnum Co., special castings, . . . . .	143 69
Walworth Mfg. Co., gate boxes, . . . . .	20 13
J. L. Smith, horse and wagon, . . . . .	1 50
George Goodhue, laying main pipe, . . . . .	1,423 08
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	\$3,521 30

## SUMMARY OF APPROVED BILLS.

Office Fixtures, . . . . .	\$2 55
Maintenance, . . . . .	3,399 93
Buildings at dumping station, . . . . .	2 66
Construction expenses, . . . . .	306 80
Tools at office, . . . . .	4 13
Tools at pumping station, . . . . .	16 65
Water and land damage, . . . . .	10 00
Service pipe, . . . . .	4,505 35
Pipe distribution, . . . . .	3,521 30
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	\$11,769 37

## COST OF CONSTRUCTION.

Office fixtures, . . . . .	\$462 02
Reservoir, . . . . .	11,060 06
Buildings at pumping station, . . . . .	7,292 96
	<hr/>
<i>Carried forward,</i>	\$18,815 04

<i>Brought forward,</i>	18,815 04
Coal shed, . . . . .	806 97
Pipe distribution, . . . . .	113,378 53
Service pipe, . . . . .	6,062 80
Engineering expenses, etc., . . . . .	6,550 69
Suction pipe, . . . . .	1,309 46
Pump connections, . . . . .	948 86
Pumping plant, . . . . .	8,943 99
Tools at office, . . . . .	104 32
Grading land, . . . . .	1,359 05
Water and land damage, . . . . .	2,118 15
Pumping plant foundations, . . . . .	1,248 59
Tools at pumping station, . . . . .	315 12
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	\$161,961 57

## SUPERINTENDENT'S REPORT.

*To the Board of Water Commissioners :*

I herewith present my report for the year ending January 12th, 1892.

Notwithstanding that the water in the pond fell to about fourteen inches below high water level, it has been clear and wholesome. An analysis shows an improvement over that of previous years. The uncovered shores were clean and showed very little vegetable growth.

The reservoir was drawn off and sides and bottom thoroughly cleaned May 22d and 23d. It was found to be in splendid condition, there being only a very small amount of sediment and no evidence of pollution. A few pavements had been started by the frost, but were easily replaced. During the progress of the work the town was supplied with water directly from the pumps. Thanks are due to Mr. Geo. E. Parkhurst of the Complete Combustion Company for taking charge of the pumps while an examination of the reservoir was made by the superintendent.

During the year there has been 1930.4 feet of 6-inch, and 1859 feet of 4-inch pipe laid ; five 6-inch and three 4-inch gates and five hydrants set, as follows :

On Walnut Avenue, from Maple Avenue to J. M. Bradley's, 536 feet of 6-inch pipe, one 6-inch gate, one hydrant.

On Cuba Street, from dead end to John Hickey's, 96 feet of 6-inch pipe.

On Highland Road, from Salem Street to Catherine Nolan's, 473 feet of 6-inch pipe, one 6-inch gate.

At Smith & Dove's, Abbott Village (private line), 677 feet of 6-inch, 260 feet of 4-inch pipe, two 6-inch gates and two hydrants.

At Smith & Dove's, Frye Village (private line), 80 feet 6-inch, 12 feet 4-inch pipe, one 6-inch and one 4-inch gate, one hydrant.

At Tyer Rubber Co.'s, changed fire pipe, laid 54.5 feet of 6 inch pipe, 38 feet of 4 inch pipe.

On Tewksbury Street, Ballardvale, from Oak Street to Chester Street, 688 feet of 4-inch, 12 feet of 6-inch pipe, one hydrant.

On Locke Street, from Main to School Streets, 561 feet of 4-inch pipe, two 4-inch gates.

On Washington Avenue, from Elm Street 300 feet southerly, 300 feet of 4-inch pipe.

There have been received 156 applications for service pipe, two of which were for fire pipes and one on private line, making 153 services owned by the town. The following schedule shows work in this department for the year, and total services laid up to date :

Laid in 1891.		Cement Lined.	Cement Lined.	Cement Lined.	Lead.	Lead.	Cast-Iron.	Total.
	Size,	$\frac{3}{4}$ In.	1 Inch.	$1\frac{1}{2}$ Inch.	$\frac{3}{8}$ Inch.	1 Inch.	4 Inch.	
	No. of Services,	148	3	1		1		153
	Owned by Town,	3693.9	273.7	19.7		19.5		4006.8
	Owned by Individ.	5355.3	446.0	23.6		92.0		5916.9
	Total for 1891,	9049.2	719.7	43.3		111.5		9923.7
Total Prev. Jan. 12, '92	No. of Services,	286	15	4	3		1	309
	Length in feet,	19240.6	3680.0	1280.2	259.0		338.0	24797.8
	No. of Services,	434	18	5	3	1	1	462
	Length in feet,	28289.8	4399.7	1323.5	259.0	111.5	338.0	34721.5

In addition to the above, there have been laid and charged to service pipe, 3-4 inch pipes on dead ends, at Morton Street, Abbott Street, and Andover Street, Ballardvale. These pipes were laid with a jet at the end, the object being to create a circulation.

We are now providing water for 1 hotel, 1 public stable, 3 buildings for manufacturing purposes, 16 public buildings, 17 stores and offices, 24 boarding houses, 3 laundries, 5



greenhouses and 567 families. The income from water rates was,

Collected, . . . . . \$5,349 32

Due and uncollected, . . . . . 652 30

Total, \$6,001 62

Had the town paid the usual rates for hydrant service, water for fountains, public buildings, etc., the income would have more than paid interest and maintenance; in other words, the works are practically self-sustaining.

There have been 42 meters set, namely: one 2-inch Gem, two 1-inch Thomson, twenty-one 5-8 inch Thomson, one 5-8 inch Hersey, and seventeen 1-2 inch Crown. Total number of meters in service January 12, 1892, 122. The following list shows size, style, etc.

SIZE.		MANUFACTURER'S NAME.					
		Crown.	Metropol- itan.	Thomson.	Hersey.	Gem.	Totals.
1 1/2 Inch	84						84
1 1/2 Inch			1	23	1		25
1 1/2 Inch	3		1				4
1 1/2 Inch	6			2			8
2 Inch						1	1
Totals,	93	2	25	1	1		122

The buildings at the pumping station are in good repair; there has been no outlay on that account. Although there have been a number of repairs made on the pumps, the only outlay has been a few dollars for material, the work being done by the regular attendants. The pumps were shut down three times during the year for repairs, but are now in excellent condition. An examination of the annexed records will show an improvement over last year. It will be seen that we have consumed 100 tons of coal during the year. The average duty of the same style pumps with ordinary type



# THE ANDOVER WATERWORKS.

## MONTHLY RECORD OF PUMPING SERVICE, 1891.

Month.	Days.	Time. H M	Gallons pumped.	Lift in ft. includ- ing friction and suction. . . . .	LBS. COAL USED.			DUTY		Ave. daily consumption, gallons.
					Pumping.	Banking Starting, Etc.	Total.	Ft. lbs. with 100 lbs. Coal.		
								By coal used pumping.	By total coal used.	
January	9	57 05	4,222,782	300	14,450	1800	16,250	73,116,958	65,017,849	136,215
February	9	55 50	4,086,336	300	13,750	1900	15,650	74,356,447	65,265,206	145,940
March	9	60 15	4,418,516	300	13,200	1800	15,000	83,750,082	73,700,846	142,533
April	8	53 25	3,889,814	300	11,500	1600	13,100	84,628,756	74,292,420	129,660
May	10	71 25	5,251,273	300	15,900	1400	17,300	82,317,892	75,946,156	169,396
June	11	79 08	5,955,433	300	17,700	2200	19,900	84,183,577	74,876,874	196,514
July	12	83 24	6,143,918	300	18,200	2400	20,600	84,456,494	74,621,760	198,191
August	11	98 46	7,120,774	300	20,877	2600	23,477	85,338,777	75,461,501	229,702
September	11	80 57	5,839,120	300	18,100	2200	20,300	80,374,585	71,664,039	194,634
October	11	77 43	5,621,670	300	16,900	2200	19,100	83,218,424	73,633,074	178,099
November	13	85 20	6,166,549	300	19,400	2644	22,044	79,519,133	69,981,419	203,351
December	13	81 34	5,880,015	300	18,000	3800	21,800	80,731,408	67,462,332	189,678
Totals	127	885 52	64,595,597	300	197,977	26,544	224,521	81,680,322	71,979,146	176,974

Pumped 326.22 gallons per lb. of coal used by pumps 287.70 gallons per lb. total coal used.

Raised 100 feet 978.66 gallons per lb. of coal used by pumps, 863.10 gallons per lb. total coal used.

May 22nd and 23rd, pumped 800,900 gallons to supply town while reservoir was being cleaned. Run 33 hours and burned 2,640 lbs of coal. Lift, 240 feet.

of boiler is about 45,000,000 foot pounds for 100 pounds of coal, at which rate we would have used 160 tons of coal to pump same amount of water. On this basis, a saving of \$300.00 in fuel has been effected.

With ever-increasing work to be done, and the usual liability to accidents, we are running an unreasonable risk in having only one boiler; and I would recommend that a duplicate boiler be set during the coming year. At best it will be but a year or two when another boiler will be an imperative need. Two propositions have been received from the Complete Combustion Co., of which the more favorable is as follows: "To deliver one 90 horse-power Combustion Boiler, steam gauges, etc., at pumping station, set up and cover the same to conform with boiler already set, connect uptake with present flue, to insure and keep in repair for one year, for the sum of \$1,895." Foundations to be furnished by the town. To connect steam pipe, take down and replace panel in boiler room, put in foundations, etc., will require \$200.00 additional, or, in round numbers, an appropriation of \$2,100.00 will be required.

There have been repaired 36 leaks on joints and 1 cracked pipe on the mains, and 2 leaks on service pipes. Notwithstanding the large number of leaks, the regular work of maintenance has been carried on at a reasonable expense. The following is a statement of expenses on this account:

Expense of running pumps, . . . . .	\$1,787 98
Office expenses, . . . . .	804 50
Maintenance of pipe line, cleaning reservoir, inspection, etc., . . . . .	704 67
Repair of pipes, care of ditches, etc., on account of C. H. Eglee and others, . . . . .	102 78
Total expense, . . . . .	<u>\$3,399 93</u>
Total expense to town, . . . . .	\$3,297 15

In compliance with your instructions, surveys and estimates have been made as follows:

On Elm Street, from Washington Avenue 2400 feet to M. C. Andrews', for 6-inch pipe, estimated expense :

37.5 tons of pipe, at \$30, . . . . .	\$1,125 00
1134 pounds of specials, at .03, . . . . .	34 00
4 hydrants, all set, at \$35, . . . . .	140 00
1 6-inch gate, all set, at \$20, . . . . .	20 00
Laying 2400 feet 6-inch pipe, at .25, . . . . .	600 00
Estimated rock, 500 cubic yards, at \$3.50, . . . . .	1,750 00
Engineering, etc., . . . . .	150 00
Total,	<u>\$3,819 00</u>

On Main and Union Streets, Frye Village, from Donald's Ink Factory 1800 feet to Lawrence line, estimated expense :

25 tons pipe, at \$30, . . . . .	\$750 00
450 pounds specials, . . . . .	13 00
2 hydrants, all set, at \$35, . . . . .	70 00
1 6-inch gate, at \$20, . . . . .	20 00
Laying 1800 feet of 6-inch pipe, at .25, . . . . .	450 00
Engineering, etc., . . . . .	50 00
Allowance for rock . . . . .	147 00
Total,	<u>\$1,500 00</u>

From Pumping Station 16514 feet on various streets as shown on plan, to C. I. Hood's, estimated expense :

323.4 tons pipe, at \$30, . . . . .	\$9,702 00
4.1 tons specials, at \$56, . . . . .	229 60
Laying 8702 feet 8-inch pipe, at .29, . . . . .	2,523 58
Laying 7812 feet 6-inch pipe, at .25, . . . . .	1,953 00
7 hydrants, all set, at \$35, . . . . .	245 00
5 8-inch gates, all set, at \$30, . . . . .	150 00
4 6-inch gates, all set, at \$20, . . . . .	80 00
Estimated 600 cubic yards of rock, at \$3.50, . . . . .	2,100 00
Total,	<u>\$16,983 18</u>

Some of the elevations are here given :

	Feet	Head
High water in Reservoir, . . . . .	309	0
Pumping Station floor, . . . . .	117	192
Top of rail Lowell & Lawrence Railroad, .	118.12	190.88
Wall at Mrs. Hardy's, . . . . .	225.74	83.26
Underpinning at C. J. Hood's, . . . . .	259.95	49.05

Respectfully submitted,

JOHN E. SMITH.









